CONSUMER ELECTRONICS CATALOG—VOLUME V

ELEK-TEK, inc.

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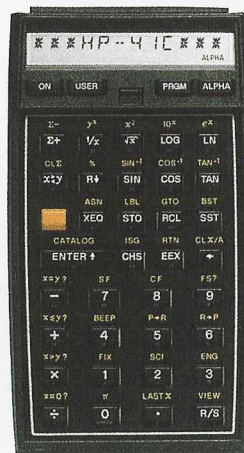**America's Most Dynamic Electronics Distributor**

hp HEWLETT PACKARD

THE SYSTEM EXPANDS!

HP-41 Computing Systems
The Heart of the System

Most powerful of the HP programmables, you now have a choice of HP-41 solutions. The HP-41C, expandable with Extension Modules to 6,454 program bytes or 922 storage registers, or any combination. Or, the HP-41CV with five times the memory of the HP-41C built-in, also expandable with Extension Modules to 6,454 bytes. Alphanumeric capability of an HP-41 allows user to communicate in words as well as numbers. User can redefine entire keyboard. Continuous memory saves everything. New level of programming ease and sophistication. Four I/O ports for optional plug-in peripherals and modules. HP-IL interfacing for battery-powered peripherals and HP Series 80 Personal Computers.

HP-41C
mfr. sugg. ret. 250.00

Elek-Tek Price—CALL

HP-41 CV
mfr. sugg. ret. 325.00

Elek-Tek Price—CALL

HP 82106A Memory Module

Adds 64 memory registers per module. Up to four modules may be added to the HP-41C only.

Mfr. sugg. ret. $25.00

Elek-Tek Price $20.00

New! HP 82170A Quad Memory Module

The equivalent of four Memory Modules, the Quad Memory Module contains 256 data storage registers. Allows user to extend the HP-41C to full HP-41CV capacity using only one port.

Mfr. sugg. ret. $95.00

Elek-Tek Price $60.00

HP 82153A Optical Wand

Inputs data by reading programs in the form of bar code. Most HP-41 software is available in bar code, including Users' Library programs and Solution Books.

Mfr. sugg. ret. $125.00

Elek-Tek Price $95.00

HP 824104A Card Reader

Reads and writes programs and data onto magnetic cards with 32 registers per card. Adds over 30 card reader control functions to your calculator including prompts and program security. Also reads HP-67/97 program cards.

Mfr. sugg. ret. $215.00

Elek-Tek Price — CALL

HP 82143A Printer/Plotter

Portable, quiet, thermal operation, and battery operable. Prints upper and lower case alpha characters plus special characters. Does high-resolution plotting routines. To access the printer on HP-IL, simply slide the switch, on the underside of the HP-IL Module, to the disable position, and plug the HP-82143A's module into an adjacent port of the HP-41.

Mfr. sugg. ret. $385.00

Elek-Tek Price — CALL

Hewlett-Packard Interface Loop

HP-IL

NEW!
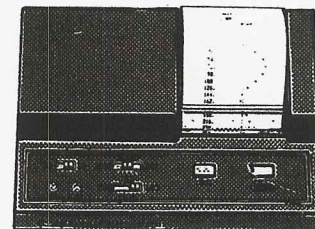
The Hewlett-Packard Interface Loop, HP-IL, is a bit-serial interface designed for low-cost, battery-operable systems. HP-IL lets you use the HP-41 as a system controller in field portable and simple bench-top applications. Two new HP-IL peripherals, a Digital Cassette Drive and a Thermal Printer/Plotter, provide you with system capabilities at a surprisingly low cost.

In HP-IL systems, devices are connected by two-wire cables leading from the output port of one device to the input port of the next, until all devices form a closed loop. This loop structure includes three unique features: auto address assignment, device capability identification, and power ON/OFF control.
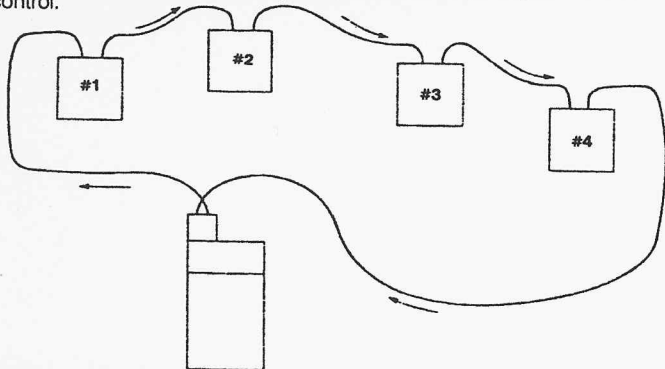
Auto Address Assignment

In order to distinguish between devices in the loop, each device must have an address, a number from 1 to 30. The HP-41, as the controller, uses the addresses to specify and control the devices on the loop. HP-IL enables the HP-41 to assign addresses automatically, starting with the address 1 for the device next to the controller in the direction of the information transfer.

Device Capability Identification

Each HP-IL device contains an accessory capability ID number that tells the HP-41 its device type, such as "printer" or "mass storage device." Upon execution of a PRINT command, the HP-41 polls each device on the loop until it finds the device that responds with the appropriate accessory ID number for printers. Device capability identification frees you from having to know the address of each device on the loop. This feature also allows you to run and write software without regard to system orientation, address switches or preassigned addresses.

Power ON/OFF Control

Because both the Digital Cassette Drive and the Thermal Printer/Plotter support Standby Mode, you can power the peripherals on or off to conserve battery life under program control. The power ON/OFF feature enables you to operate an HP-IL system for remote applications.

Automatic Error Checking

HP-IL allows for automatic error checking of any data being transmitted on the loop. Because each character must return to the device that originally sent it, the device can compare the returning character with a copy of the one that was sent. If the two do not match, an error message is generated.

Hold-Until-Ready Protocol

HP-IL provides a simple means of coordinating the transfer of data. Some devices send and receive data at high rates while other devices work at a slower pace. In the HP-IL system, devices hold each piece of information until they are ready to receive another. When ready, they pass the information to the next device. By the time a piece of information makes a complete loop, all devices are ready to accept new information. This "hold-until-ready protocol" assures that fast and slow devices can operate in the same HP-IL system.

HEWLETT PACKARD

HP 82160A HP-IL Interface Module

NEW!

The HP-IL Interface Module plugs into any one of the four ports in the HP-41, turning your calculator into a hand-held computer. The module gives your HP-41 control of up to 30 HP-IL devices on the loop. Printer, mass memory and general purpose I/O functions reside in the Module to give you more control and flexibility of your HP-IL system.

Mfr. sugg. ret. $125.00   **Elek-Tek Price $95.00**

HP 82161A Digital Cassette Drive

NEW!

The Digital Cassette Drive uses a digital-quality mini-cassette, capable of storing up to 131,000 bytes of information. Rewind time is under 30 seconds and read/write operations are executed at nine inches per second. All tape movement is under microprocessor control and buffer space is provided in the drive for temporary storage of directory information to help minimize access time and tape motion. The Cassette Drive also features Standby Mode, enabling the HP-41 to turn the drive on or off remotely. This unique feature helps to extend system battery life and allows for system operation in remote applications.

Mfr. sugg. ret. $550.00   **Elek-Tek Price $415.00**

HP 82162A Thermal Printer/Plotter

NEW!

This new 24-character printer/plotter provides you with numeric, upper-and lower-case alpha, doublewide characters, and intensity control for optimum contrast and readability. The chief enhancements of HP 82162A over the HP 82143 dedicated Printer/Plotter, include a 100-character buffer for greater speed and enhanced graphics capabilities, and a FORMAT function which automatically centers or justifies copy to the left and right margins. The HP 82162A also has the ability to generate HP-41 compatible bar code, providing you with a low-cost means of printing and reproducing software and data. Like the Cassette Drive, the Printer/Plotter supports Standby Mode so that the HP-41 can manage its power consumption.

Mfr. sugg. ret. $495.00   **Elek-Tek Price $375.00**

HP82163A Video Interface

NEW!

The HP-IL compatible interface supports a 32-character display, 16-line video display. You can interface with any VHF TV set or TV monitor.

Mfr. sugg. ret. $295.00   **Elek-Tek Price $235.00**

HP 82180A Extended Functions/ Memory Module

NEW!

The program enhancement functions provided by this module will save time and programming steps. A few of the programmable functions included in the Extended Functions/Memory Module are programmable SIZE, programmable ASSIGN, and string functions. In addition to providing 889 bytes of memory, this module gives you extended memory management functions to access almost three times the resident memory in the HP-41CV.

Mfr. sugg. ret. $75.00   **Elek-Tek Price $60.00**

HP 82181A Extended Memory Module

NEW!

The Extended Memory Module provides you with an additional 238 registers of extended memory of 1,666 program bytes. With two Extended Memory Modules and one Extended Functions/Memory Module (HP 82180A), your HP-41CV can access a maximum of 922 registers or 6,454 bytes of program memory. Requires the use of the HP 82180A Extended Functions/Memory Module.

Mfr. sugg. ret. $75.00   **Elek-Tek Price $60.00**

HP 82182A Time Module

NEW!

The Time Module brings the dimension of time to your HP-41 and can turn your calculator into a time-based controller. The real time/date feature lets your HP-41 become an accurate clock or perpetual calendar. Use the module's stopwatch mode to time events ranging from lab experiments to marathons. The Time Module even lets you set alarms so your HP-41 can start the execution of programs or remind you of important appointments.

Mfr. sugg. ret. $75.00   **Elek-Tek Price $60.00**

The AME Port-X-Tender

A device which functions as a companion to the Hewlett-Packard HP41C/CV advanced alphanumeric programmable calculator. It increases the HP41's capability to interface with ROM application and extension modules, RAM memory modules and peripheral devices. As the user continues to add to his system, the Port-X-Tender becomes increasingly useful for managing and channeling the flow of information between the calculator and external devices and modules ● Seven slots are provided to yield a total of 10 positions for plugging external devices and/or modules into the HP41 ● A cable with an HP41 I/O port plug, designed to plug into the HP41's port #3 exits one end of the extender case ● The Port-X-Tender's slender shape allows it to ride under the HP41 with a card reader attached and still remain a compact enough system to be hand-held. Four large rubber feet assure a non-slip surface when sitting on a desktop ● A 6-volt lithium battery in the extender preserves RAM memory when disconnected from the calculator ● A built-in battery tester checks both the battery in the extender and the cells in the calulator.

Elek-Tek Price $160.00

CALL (800) 621-1269   ILLINOIS (312) 677-7660

All prices FOB our warehouse; prices subject to change without notice. All goods subject to availability and guaranteed by respective manufacturers.

HEWLETT PACKARD

HP-41 Application Pacs

Aviation (for pre-flight use)
(00041-15018) Elek-Tek Price $25.50
- Flight Management
- General Aircraft Weight and Balance
- Determining In-Flight Winds
- Flight Plan
- Position by One or Two VORs
- Mach Number and True Airspeed

Circuit Analysis
(00041-15006) Elek-Tek Price $25.50
- General Network Analysis
- Ladder Network Analysis

Clinical Lab and Nuclear Medicine
(00041-15024) Elek-Tek Price $25.50
- Clinical Chemistry
  - Beer's Law
  - Body Surface Area
  - Creatinine Clearance
  - Blood Acid-Base Status
  - Oxygen Saturation and Content
  - Red Cell Indices
- Nuclear Medicine
  - Total Blood Volume
  - Thyroid Uptake
  - Radioactive Decay Corrections
- Radioimmunoassay Statistics
  - Basic Statistics
  - Chi-Square Evaluation and Distribution
  - t Statistics
  - T Distribution

Financial Decisions
(00041-15004) Elek-Tek Price $25.50
- Compound Interest Solutions
- Internal Rate of Return
- Modified Internal Rate of Return (FMRR)
- Net Present Value
- Loan Amortization Schedules
- Depreciation Schedules
- Bond Price and Yield
- Days Between Dates

Games
(00041-15022) Elek-Tek Price $25.50
- Super Bagels
- Biorhythms
- Craps
- Hangman
- Pinball
- Space War
- Submarine Hunt
- Random Number Generator

Home Management
(00041-15023) Elek-Tek Price $25.50
- Home Budgeting
- Travel Expense Record
- Stock Portfolio Evaluation
- Your Financial Calculator
- Remaining Balance and Accumulated Interest
- Tax Free Individual Retirement Account (IRA) or Keogh Planning
- The True Cost of an Insurance Policy
- Checking Account Reconciliation
- Home Owner's Equity Analysis
- The Rent or Buy Decision

Machine Design
(00041-15020) Elek-Tek Price $25.50
- Circular Cams
- Generation of a Four Bar System
- Progression of a Four Bar System
- Progression of a Slider Crank
- Gear Forces
- Standard External Involute Spur Gears
- Helical Spring Design
- Forced Oscilator with Arbitrary Function
- Coordinate Transformation
- Points on a Circle
- Circle by Three Points
- Unit Conversions

Mathematics
(00041-15003) Elek-Tek Price $25.50
- Matrix Operations
- Solutions to $f(x)^{5}0$ on an Interval
- Polynomial Solutions/Evaluation
- Numerical Integration
- Differential Equations
- Fourier Series
- Complex Operations
- Hyperbolics
- Triangle Solutions
- Coordinate Transformations

Navigation
(00041-15017) 8K Elek-Tek Price $38.00
- Rhumbline Course and Distance
- Great Circle Course and Distance
- Dead Reckoning
- Sight Reduction
- Perpetual Almanac—Stars, Sun, Planets, Moon
- Almanac Interpolater
- Great-Circle Position
- Rhumbline Position
- Great-Circle Plotting and Voyage Planning
- Sight Reduction Table
- Calendar Functions
- Greenwich Sidereal Time
- Star Almanac
- Fundamental Arguments
- Astronomical Coordinate Conversion
- Longitude to Latitude
- Input/Output Routines

Petroleum Fluids
(00041-15039) 8K Elek-Tek Price $63.00
- Z Factor
- Gas Isothermal Compressibility
- Gas Formation Volume Factor
- Gas Viscosity
- Pseudocritical Temperature and Pressure From Gas Gravity
- Gas Properties From Composition
- Oil Isothermal Compressibility
- Oil Formation Volume Factor
- Oil Viscosity
- Gas-Oil Ratio
- Bubble Point Pressure
- Two-Phase Formation Volume Factor
- Water Isothermal Compressiblity
- Water Formation Volume Factor
- Water Viscosity
- Gas-Water Ratio

Petroleum Fluids (Continued)
- Rock Compressibility
- Total Isothermal Compressibility
- Includes unit management system subroutines

Real Estate
(00041-15016) 8K Elek-Tek Price $38.00
- Compound Interest and Loan Amoritzation
- Internal Rate of Return
- Modified Internal Rate of Return
- Net Present Value
- Depreciation Schedules
- Income Property Analysis
- Graduated Payment Mortgage
- Wrap-Around Mortgage
- Home Owner's Equity Analysis
- The Rent or Buy Decision
- Price and Yield of a Mortgage Traded at a Discount/Premium
- APR of a Loan With Fees
- Present Value of an Increasing/Decreasing Annuity

Securities
(00041-15026) Elek-Tek Price $25.50
- Bond/Note Price and Yield
- Routines for Option Writers Using the Black-Scholes Evaluation Method
- Warrant and Option Hedging
- Yield on Call Option Sales
- Butterfly Options
- Bull Spread Option Strategy
- Convertible Security Analysis
- Stock Portfolio Valuation
- Bond Speculation Using Margin

Statistics
(00041-15002) Elek-Tek Price $25.50
- Basic Statistics for Two Variables
- Moments, Skewness and Kurtosis
- Analysis of Variance (One Way)
- Analysis of Variance (Two Way)
- Analysis of Variance (Three Way)
- Curve Fitting (Linear, Exponential Logarithmic, and Power Curve)
- Multiple Linear Regression
- Polynomial Regression
- t Statistics
- Chi-Square Evaluation
- Contingency Table
- Spearman's Rank Correlation Coefficient
- Normal and Inverse Normal Distribution
- Chi-Square Distribution

Stress Analysis for Mechanical Engineers
(00041-15027) Elek-Tek Price $25.50
- Section Properties
- Beams

Stress Analysis (Continued)
- Simply Supported Continuous Beams
- Columns
- Mohr Circle Analysis
- Strain Gage Data Reduction
- Soderberg's Equation for Fatigue
- RPN Vector Calculator

Structural Analysis for Civil Engineers 8K
(00041-15021) Elek-Tek Price $38.00
- Section Properties
- Beams
- Simply Supported Continuous Beams
- Continuous Frame Analysis
- Settling of Continuous Beams
- Steel Column Formula
- RPN Vector Calculator
- Reinforced Concrete Beams
- Reinforced Concrete Columns
- Effective Moment of Inertia for Concrete Sections

Surveying
(00041-15005) Elek-Tek Price $25.50
- Traverse, Inverse and Sideshots
- Compass Rule Adjustment
- Transit Rule Adjustment
- Intersections
- Curve Solutions
- Horizontal Curve Layout
- Vertical Curves and Grades
- Resection
- Predetermined Area
- Volume by Average End Area
- Volume of a Borrow Pit
- Coordinate Transformation

Thermal and Transport Science
(00041-15019) Elek-Tek Price $25.50
- Equations of State
- Polytropic Processes for an Ideal Gas
- Isentropic Flow for Ideal Gases
- Conduit Flow
- Energy Equation for Steady Flow
- Heat Exchanges
- Black Body Thermal Radiation
- Includes unit management system subroutines

Standard Applications Module
(00041-15001) Elek-Tek Price $25.50
The HP-41 Standard Applications Module provides readily available programs as listed in the **HP-41 Standard Applications Manual** that comes with the calculator. The module comes with a quick reference card.
- RPN Primer
- Word Guessing Game
- Arithmetic Teacher
- Hexadecimal—Decimal Converter
- Financial Calculations
- Root Finder
- Curve Fitting
- Vector Operations
- Blackjack

HEWLETT PACKARD
HP-41 Solution Books. Barcode included for easy software entry

mfr. sugg. ret. $12.50

Elek-Tek Price $10.50

Antennas
(00041-90093)
Loaded Vertical Antennas
Loaded Dipole Antennas
Gain of a Horizontal Rhombic
Antenna at Zero Azimuth
Azimuth Pattern of Cylindrical
Array of Antennas
Colinear Antenna Gain and Pattern
Beam Pattern for Uniform Array
Radar Antenna Beamwidth and Gain
Antennas
Parabolic Antenna Calculations
RF Path Loss, dB
Antenna Gain or Power of a
Remote Transmitter
Planar Phased Array Radar Beam
Positions
Shortwave Transmission Path
Calculations

Business Statistics/
Marketing/Sales
(00041-90094)
Forecasting Using Exponential
Smoothing
Seasonal Variation Factors (SEVAR)
Multiple Linear Regression
Normal, Inverse Normal,
t and f Distributions
Basic Statistics for Two Variables
Moving Average
Breakeven Analysis
Compertz Curve
Experience (learning) Curve for
Manufacturing Cost
Price Elasticity of Demand

Calendars
(00041-90145)
Calendar Day/Julian Date
Conversion
Day of Year—Day of Week
Number of Weekdays between Two
Dates
In What Year is a Given Date an
M-Day
Number of M-Days between two
Dates and N[th] M-Day of Month
Holidays
Religious Holidays
Chinese Years to/from Gregorian
Years
New Moon and Full Moon Day of
Month
Calendar Printout

Cardiac/Pulmonary
(00041-90097)
Pulmonary Functions/Vital Capacity
Body Surface Area
Blood Chem I
Blood Chem II
Cardiac Outputs
Cardiac Shunts
Contractility and Stroke Work
Lung Diffusion
Valve Area
Ventilator Setup and
Corrections (Radford)

Chemical Engineering
(00041-90100)
Straight Fin Efficiency
Conservation of Energy
Hydrocarbon Combustion
Heat Transfer through Composite
Cylinders and Walls
Von Karman Analogy for Heat and
Mass Transfer
Equations of State
Reversible Polytropic Process for
an Ideal Gas
Conduit Flow
Fluid Transport Numbers
Single Stage Equilibrium Flash
Calculation
Weak Acid/Base Titration Curve

Chemistry
(00041-90102)
pH of Weak Acid/Base Solutions
Acid-Base Equilibrium (Diprotic)
Weak Acid/Base Titration Curve
Equations of State
Van Der Waals Gas Law
Beer's Law and Absorptivity
Calculations
Activity Coefficients from
Potentiometric Data
Crystallographic to Cartesian
Coordinate Transformations
Kinetics Using Lineweaver-Burk or
Hofstee Plots
Mixture Viscosities

Civil Engineering
(00041-90089)
Steel Column Formula
Reinforced Concrete Beams
Stress in Thick-Walled Cylinders
Properties of Special Sections
Compressive Buckling
Vectors
Beams Fixed at Both Ends
Simply Supported Beams
Cantilever Beams
Bolt Torque

Control Systems
(00041-90092)
Frequency Response of a Transfer
Function
Bode of Transfer Function that has
Each Pole and Zero Given
Bode of Third-Order Over Fourth-
Order Transfer Function
Bode of Third-Order Over Third-
Order Times $S^{**}N$ Transfer
Function
Routh Test for Continuous and
Discrete Time System Stability
Convert Frequency Response—
Open Loop, Closed Loop
Aid to Root Locus Plots I—
Real Poles
Aid to Root Locus Plots II—
Complex Poles
Classical Control Gains
First Order Regulator
Second Order Regulator

Electrical Engineering
(00041-90088)
RC Timing
Frequency Response of a Transfer
Function
Transistor Amplifier Performance
Class A Transistor Amplifier Bias
Optimization
Active Filter Design
Butterworth Filter Design
Chebyshev Filter design
Bode Plot of Butterworth and
Chebyshev Filters
Transmission Line Calculation
Transmission Line Impedance

Fluid Dynamics and Hydraulics
(00041-90139)
Conduit Flow
Flow with a Free Surface
Pipe Slide Rule
Forces at Bends and Fittings
Valve Sizing
Pipe Network Analysis
Restriction Metering Orifice
Calculation
Energy Equation for Steady Flow
Compressible Flow in Ducts
Flood Routing and Hydrographs

Games
(00041-90099)
Hexapawn
Wari
Robot Trap
3-D Tic Tac Toe
Hunt the Wumpus
Simon
Planet Lander
Orbital Lander
Scatter
Flip-Flop

Games II
(00041-90443)
The Caves
5 × 5 Chess
Pinball
Truck
Flippo
Code Crack
Adventure

Geometry
(00041-90084)
Sine Plate Solutions
V Notches and Long Radii
Internal and External Tapers
Points of Tangency with
Circles and Arcs
Line-Line Intersection
Points on a Straight Line
Grid of Points: Calculates All Points
Grid of Points: Calculates Discrete
Points
Tangent Circle to Two Straight
Lines with a Given Radius
Distance Between Lines in Space

Heating, Ventilating, and
Air Conditioning
(00041-90140)
Overall Heat Transfer Coefficient
Insulation Break Even Analysis
Air Flow in Circular Ducts
Air Duct Conversion
Equations of State
Black Body Thermal Radiation
Psychometric Properties
Heat Exchangers
Decible Addition and Subtraction
Temperature Conversions

High-Level Math
(00041-90083)
Sine, Cosine, Exponential Integrats
Eigen Values/Vectors of 3rd Order
Systems
Eigen Values for 3rd Order System
Chebyshev, Legendre, Hermite, and
Laguerre Polynomials
Sixteen-Point Gaussian
Quadrature
Gamma Function
Bessel Functions, Error Function
Characteristic Equation of a 4x4
Matrix
4x4 Matrix Operations

Home Construction Estimating
(00041-90096)
Concrete Volume
Linear to Board Feet Conversions
and Costing
Framing Board Feet
Lumbar Estimate
Shingle Estimate
Wall and Ceiling Areas Estimate
Wallpaper Estimate
Drywall and Insulation Estimate
Sheathing and Subfloor Estimate
Painting Estimate
Wood Floor Estimate

Lending, Savings & Leasing
(00041-90086)
Constant Payment to Principal Loan
APR With Fees/Discount
Amortization Schedule
Add-on to APR with Odd Days
Savings Plan
Interest Conversions
Lease with Additional Payments in
Advance
Skipped Payments
Compounding Periods Different
from Payment Periods
Compound Interest Solutions

Mechanical Engineering
(00041-90090)
Gear Forces
Stress on an Element
Equations of State
Soderberg's Equation for Fatigue
Spring Constant
Progression of a Slider Crank
Free Vibrations
Interference Fits
Linear or Angular Deformation
Constant Acceleration

Optometry (General)
(00041-90143)
Aniseikonia
Crossed Prism Resultant
Oblique Cylinder Sum
Acuity Demand from Letter Size
and Working Distance
Contact Lens, Telescope Calculations
Calculation of Needed Magnification,
Add, and Working Distance
Effective, Equivalent and
Neutralizing Power
Positional Effective Power
Pratt, Sheard, Percival Methods of
Near R_x
Four Accommadative R_x's and their
Average

Optometry II (Contact Lens)
(00041-90144)
Back Vertex Power of PMMA
Contact Lens
Effective Power of Spectacle Lenses
at Corneal Plane
Residual Cylinder Induced at
Tear/Cornea Interface by
Contact Lens
Cylinder Induced by Toric Contact
Lens
Contact Lens Power Necessary to
Correct Ametropia
Toric Contact Lens Parameters
Tabb Contact Lens of 1st
Approximation
May-Grant Contact Lens of 1st
Approximation
Roggenkamp Specifications for
Prism Ballast Front Toric or
Prism Ballast Contact Lens
Brungardt I
Brungardt II

Physics
(00041-90142)
Black Body Thermal Radiation
Black Hole Characteristics
Special Relativity Conversions
Three-Dimensional Special Relativity
Einstein's Twin Paradox
Delto-V Orbit Simulator
Equations of Motion
Isotope Overlap Corrections
Semi-Empirical Nuclear Mass
Formula
Clebsch-Gordon Coefficients and
3j Symbols Evaluation
32-P Remaining on Day of Year

Real Estate
(00041-90136)
Ellwood Analysis
Analysis of Income Property
Wrap-Around Mortgage
Amount of Equity at Any Time
Mortgage Yield
Mortgage Pricing
Investment Analysis for Property
and Land
Residential Analysis (Rent or Buy)
Variable Analysis of Real Estate
Investment
IRR

Small Business
(00041-90137)
Hourly Payroll
Invoicing
Account Posting
Percentages and Proportions with
Tabulator
Retail Inventory Monitor
Estimating Inventory
Inventory Ordering
Order Point Calculations
Working Capital Needs—Bardahl
Formula
Depreciation Schedules
Breakeven Analysis

Solar Engineering
(00041-90138)
Solar Beam Irradiation
Sun Altitude, Azimuth, Solar Pond
Absorption
Energy Equivalents—Fuels and Prices
Heat Exchanges
View Factors
Heat Transfer Through Composite
Cylinders and Walls
Black Body Thermal Radiation
Economic Breakeven for Solar
Equipment
Solar Panel Array
Conduit Flow

Surveying
(00041-90141)
Spiral Curve Layout
Two-Instrument Radial Survey
EDM Slope Reduction
Stadia Reduction
Three Wire Leveling
Azimuth of the Sun
Taping Reduction
Triangle Solutions
Traverse for Auto Adjust Routines
Auto Adjust for Compass Rule
Auto Adjust for Crandall's Rule

Test Statistics
(00041-90082)
One Sample Test Statistics for the
Mean
Test Statistics for the Correlation
Coefficient
Differences Among Proportions
Behrens-Fisher Statistic
Mean-Square Successive
The Run Test for Randomness
Intraclass Correlation Coefficient
Fisher's Exact Test for a 2 X 2
Contingency Table
Bartlett's Chi-Square Statistic
Mann-Whitney Statistic
Kendall's Coefficient of Concordance

Timer Solutions
(00041-90395)
Appointment Calendar
World-Time Converter
Exercise Monitor
Automobile Trip Computer
and Speed Calibration
Four-Channel Controller
Logbook
Bicycle Calculator
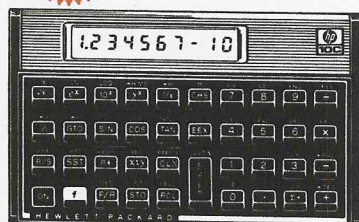"Playback" Programmable Timer
Pacer
Random Seed Generator

(Solutions Books titles and program listings
subject to change without notice.)

# Scientific Calculators for Technical Professionals

NEW!

Mfr. sugg. ret.
80.00

Elek-Tek Price
60.00

HP-10C Slim-Line Low priced programmable

The ideal calculator for getting started with HEWLETT-PACKARD. Offers 79 lines of merged programming including conditional branching, "pause" and "go to" function. Full featured scientific and statistical functions. A clear 10 digit LCD readout. And all the quality you've come to expect.
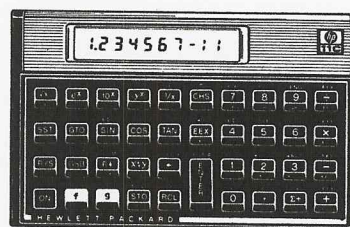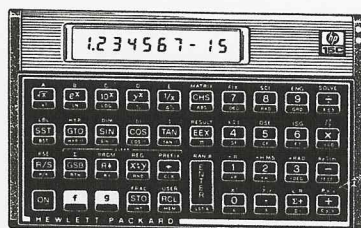
Mfr. sugg. ret.
100.00

NEW LOW PRICE!
Elek-Tek Price
75.00

HP-11C Slim-Line Advanced Scientific Programmable

With its advanced programming tools and built-in scientific functions, the HP-11C is a powerful yet portable problem-solver. 203 program lines plus insert/delete editing, 15 program labels, user mode, 4 subroutine levels and more. Scientific functions include 2 variable statistics, trigonometrics, permutations and combinations. RPN logic. Liquid-crystal display. Long-life disposable batteries.

HP-11C Solutions Handbook 8.50

Mfr. sugg. ret.
135.00

Elek-Tek Price
100.00

HP-15C Slim-Line Advanced Scientific Programmable

Extraordinary problem-solving power plus versatile keystroke programmability to solve repetitive problems quickly and easily. 448 lines of continuous program memory. A full range of mathematical, trigonometric and statistical functions plus matrix operations, complex functions, solve and integrate keys, and editing capabilities.

HP-15C Advanced Function Handbook 17.00
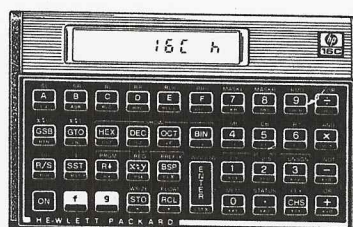
Mfr. sugg. ret.
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Elek-Tek Price
115.00

HP-16C Programmer Calculator with its own programmability.

Compute binary, octal, decimal and hexadecimal conversions and operations with speed, ease and accuracy. Program using the 203 program lines or 101 16-bit data registers. Sets word size, 1's and 2's complement, and unsigned modes. Boolean AND, OR, NOT, XOR functions. Versatile bit manipulation and easy bit testing functions.

Mfr. sugg. ret.
150.00

NEW LOW PRICE!
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75.00

HP-34C Advanced Programmable Scientific with Continuous Memory

The HP-34C incorporates the most advanced programming capabilities in a keystroke programmable. The HP-34C has a "Solve" key that finds real roots for a wide range of functions; and an "Integrate" key which computes the area of a function bounded by upper and lower limits. Advanced programming features include: 12 addressable labels, insert/delete editing, and a dynamically controlled memory that varies between 210 program lines and 21 user storage registers.

HP-34C Application Books

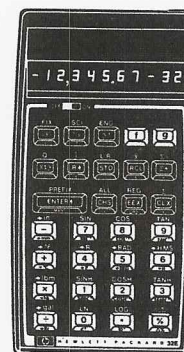|	
Mathematics (00034-90032)	Statistics (00034-90033)
Surveying (00034-90034)	Student Engineering (00034-90035)

Mfr. sugg. ret. 10.00

Elek-Tek Price 8.50

Mfr. sugg. ret.
65.00

Elek-Tek Price
50.00

HP-32E Scientific with Statistics

The HP-32E is Hewlett-Packard's most powerful preprogrammed scientific calculator. Solves complex scientific problems including trigonometry, logarithms, and metric conversions. Basic and advanced statistical problems such as percent, summations, two-variable means and standard deviations, and linear regression. Provides 9 user plus 6 statistical storage registers.
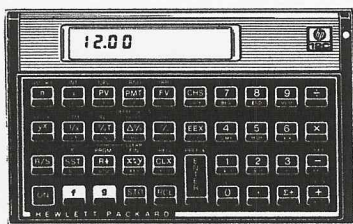
Financial Calculators For Business Professionals

HP-12C Slim-Line Advanced Financial Programmable

Never before has Hewlett-Packard put so many business functions into one calculator. Calculates interest and amortization schedules, cash flows, bond yields and maturity dates, and depreciation schedules. 99 program lines, automatic memory allocation, program review, unconditional branching, 2 conditional tests, and pause. RPN logic. Liquid-crystal display. Long-life disposable batteries.

Mfr. sugg. ret. $150.00   **Elek-Tek Price $112.00**

HP-12C Solutions Handbook   Mfr. sugg. ret. $20.00   **Elek-Tek Price $8.50**

HP-38C Advanced Financial Programmable with Continuous Memory

The HP-38C gives you an array of built-in financial functions—plus keystroke programmability to solve repetitive problems quickly and easily. Net present value. Internal rate of return for up to 20 groups of uneven cash flows with up to 99 cash flows in each group. Up to 99 lines of keystroke programming dynamically allocated. Linear estimate and correlation coefficient. 2000-year calendar. 5 financial plus 20 user storage registers. Continuous Memory lets you retain programs and data even when the calculator is turned off.

HP-37E Business

The HP-37E provides an ideal combination of the financial, investment, and statistical capabilities you need in modern business. Solves compound interest problems involving time and money. Computes a yield with a balloon. Amortization schedules. Percent and price functions for retail. Full set of statistical functions plus factorial. 5 financial plus 7 user storage registers.
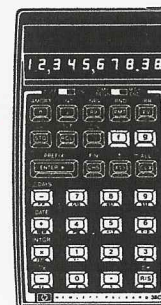
HP-38C
Mfr. sugg. ret. $150.00
Elek-Tek Price $75.00
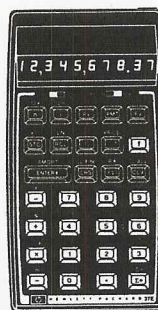
NEW LOW PRICE

HP-37E
Mfr. sugg. ret. $90.00
Elek-Tek Price $55.00

HP-38C, HP-37E Application Books

Real Estate (00038-90024)	$4.50	Investment Analysis & Statistics (00038-90026) $4.50 Lending, Savings & Leasing (00038-90025) $4.50
Real Estate II (00038-90051)	$8.50	Marketing & Forecasting (00038-90049) $4.50 Personal Finance (HP-38C only) (00038-90052) $4.50
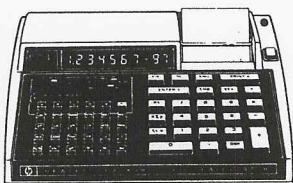
HP-97 Desktop Full Programmable Printing

The HP-97 provides exceptional programming power to easily handle lengthy and repetitive problems. Up to 224 lines of programming capability and 26 data storage registers. "Smart" magnetic card reader makes it easy to record contents of program memory or storage registers and later load data back into the calculator. Easy editing features make program modification simple. The HP-97 combines this programming power with a battery-operated printer.

Mfr. sugg. ret. $750.00   **Elek-Tek Price $560.00**

HP-97 Application Pacs
Mfr. sugg. ret. $35.00
Elek-Tek Price $29.00

Business Decisions Pac (00097-13144)   CE Pac (00097-13195)   EE Pac (00097-13131)   Stat Pac (00097-13111)   ME Pac (00097-13155)

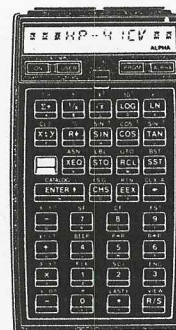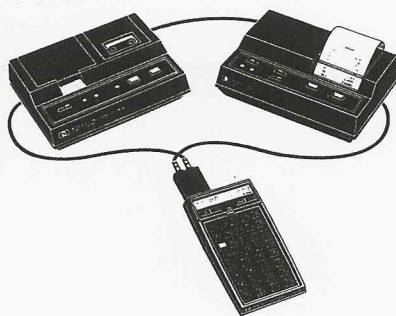Clinical Lab and Nuclear Medicine Pac (00097-13165)   Surveying Pac (00097-13175)   Navigation Pac (00097-13205)   Math Pac (00097-13121)   Games Pac (00097-13185)

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hp HEWLETT PACKARD

HEWLETT-PACKARD ACCESSORIES

HEWLETT-PACKARD ACCESSORIES

HP-41 Accessories	part no.	mfr. sugg. ret.	Elek-Tek
Standard Application Module	00041-150001	$ 30.00	25.50
Auto-Start Duplication ROM	00041-15042	$ 30.00	25.50
Overlay Kit	82152A	$ 10.00	8.50
HP-41 Touchpad	82200A	$ 20.00	17.00
Module Holders (2)	82151A	$ 7.50	6.75
50 Blank Overlays	82172A	$ 55.00	46.00
Multipurpose Rechargeable Battery Pack (HP 82059B required)	82120A	$ 35.00	28.50
"Creating Your Own Bar Code" Manual	82153-90019	$ 12.50	10.50
HP-IL Accessories			
Data Mini Cassettes (10 pack)	82176A	$ 95.00	75.00
Data Mini Cassettes (3 pack)	82176/3	—	25.00
.5 meter HP-IL Cable	82167A	$ 12.00	10.50
1 meter HP-IL Cable	82167B	$ 15.00	12.75
5 meter HP-IL Cable	82167D	$ 20.00	17.00
Battery Pack			
HP-31E, HP-32E, HP-33E/C, HP-34C, HP-37E, HP-38E/C	82109A	$ 12.00	10.20
HP-67, HP-35, HP-45, HP-55, HP-65, HP-70, HP-80	82001B	$ 15.00	12.75
82143A Printer/Plotter, HP-97, HP-92, HP-91	82033A	$ 25.00	21.25
HP-10, HP-19C	82052A	$ 30.00	25.50
HP-21, HP-22, HP-25, HP-25C, HP-27, HP-29C	82019B	12.00	10.20
Reserve Power Pack			
HP-31E, HP-32E, HP-33E/C, HP-34C, HP-37E, HP-38E/C	82103A	$ 30.00	25.50
HP-67, HP-35, HP-45, HP-55 HP-65, HP-70, HP-80	82004A	$ 40.00	34.00
HP-21, HP-22, HP-25, HP-25C, HP-27, HP-29C	82028B	$ 30.00	25.50
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HP-31E, HP-32E, HP-33E/C, HP-34C, HP-37E, HP-38E/C (Euro 220 Vac)	82090B	$ 20.00	17.00
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82143A Printer/Plotter, 82120A, HP-97, HP-92, HP-91, HP-10, HP-19C (Euro 220 Vac)	82066B	$ 25.00	21.25
HP-21, HP-22, HP-25, HP-25C, HP-27, HP-29C (110 Vac)	82041A	$ 15.00	12.75
HP-21, HP-22, HP-25, HP-25C, HP-27, HP-29C (110/220 Vac Switchable)	82026A	$ 20.00	17.00
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82143A Printer/Plotter, HP-97, HP-92, HP-91 (Cable)	82044A	$ 20.00	17.00
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HP-10C, HP-11C, HP-12C, HP-15C, HP-16C	82174A	$ 5.00	4.50
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HP-41 (plus card reader 82104A)	82111A	$ 10.00	8.50
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HP-10C, HP-19C	82064A	$ 8.00	6.75
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Blank Program Cards for 82104A Card Reader, HP-67 HP-97, HP-65			
40 Card Pac with Holder	00097-13141	$ 20.00	16.00
120 Card Pac with 3 Holders	00097-13143	$ 50.00	37.50
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Thermal Printing Paper for 82143A Printer/Plotter, HP-97, HP-92, HP-91 (6 rolls)	82045A	$ 10.00	8.50
Thermal Printing Paper for 82143A and 82162A Printer/Plotter (6 rolls)—Black	82175A	$ 12.00	10.20
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U.S. Prices only. Prices and availability subject to change without notice.

Texas Instruments
Programmable TI 59

Mfr. Sugg. Ret.
300.00

Elek-Tek Price
170.00

● Over 175 functions and operations in scientific, engineering and statistical fields. ● Bright 12 character LED display shows 10 digits plus sign in standard format. 8-digit mantissa, 2-digit exponent and 2 signs in scientific notation. Also will display in engineering notation. Fixed or floating decimal point. ● Up to 960 program steps or up to 100 memories. When integrated with the Master Library Module delivers up to 5000 steps. ● Up to 10 user flags available: Set. Reset. Test. ● 72 useful labels. ● Up to 6 levels of subroutines available. ● Complete program editing: Insert. Delete. Single step. Backstep. No-Operation. ● 10 user defined label keys. ● Blank magnetic cards to record custom programs. Magnetically recorded program can tie into programs in the solid-state library modules. ● Master Library Module—25 different programs are available at the touch of a key. Gives professionals an instant "tool kit" in key areas: Math. Statistics. Finance. General Interest. ● "Personal Programming" book—a step-by-step guide to a whole new dimension in problemsolving ease and power. An exclusive, added-value book that starts you programming immediately. Even if you have never programmed before.

Texas Instruments
Programmable TI 58C

advanced programmable calculator with plug-in Solid State Software™ modules and new Constant Memory™ feature

Mfr. Sugg. Ret.
130.00

Elek-Tek Price
80.00

PROGRAMMING FEATURES

● Over 170 functions and operations. ● Up to 480 program steps or up to 60 memories. ● Complete programming editing features: Insert. Delete. Single step. Back step. No operation. ● Up to 6 levels of subroutines. ● Up to 10 user flags available: Set. Reset. Test. ● Ten user-defined label keys. ● Seventy-two useful labels.

CONSTANT MEMORY™ FEATURE

● Retains program steps and contents of data memories when the calculator is turned off and for short intervals when the battery pack is removed. ● Eliminates the need to reenter programs or data needed for repetitive operations. ● Prevents loss of important results, programs and data. ● Retains memory partitioning selected when the calculator is turned off.

Texas Instruments
PC-100C
thermal printer, plotter

● Prints selected calculations and results.
● Lists program memory contents: step numbers, key codes and key symbols.
● Lists data memory contents.
● Lists labels and locations.
● Traces program executions step-by-step.

● Quiet, reliable printer uses ribbonless, non-impact thermal printing technology pioneered by Texas Instruments. ● Prints 64 characters. ● Maximum line length: 20 characters. ● Maximum printing speed: 60 characters per second. ● Plots data relationships as curves and graphs automatically from the program or directly from the keyboard. ● Prints headings for easy reference and identification of tapes. ● Key-operated lock provides desktop security. ● Contains built-in recharger for calculator battery pack.

Mfr. Sugg. Ret.
225.00

Elek-Tek Price
150.00
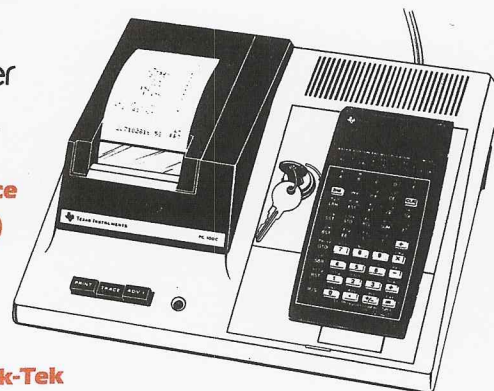
	Mfr. List	Elek-Tek Price
TP-30250 3-roll pack of thermal paper for TI PC-100C	10.00	6.50

SOLID STATE SOFTWARE™ LIBRARIES
Each includes a plug-in module and a library manual with complete instructions for use and easy-to-follow examples.

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Applied Statistics	40.00	25.00
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Leisure Library	40.00	25.00
Securities Analysis	40.00	25.00
Business Decisions	40.00	25.00
Math/Utilities	40.00	25.00
Electrical Engineering	40.00	25.00
RPN Simulator	40.00	25.00
Agriculture	55.00	40.00

SPECIALTY PAKETTES
16 titles of step-by-step programs. Easy enough for the beginning programmer to use.

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Statistical Testing	10.00	8.50
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NEW

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Elek-Tek Price
29.00

TI-57 LCD

● A self-teaching programming system for students and professionals ● Powerful program memory stores up to 150 keystrokes in 48 fully merged steps ● Seven multi-use memories provide addressable memory locations to store and recall data ● Powers, roots, log and trig functions, and much more ● Comes with the *Programmable Calculator Sourcebook* which takes you into the power and fun of programming right away, with step-by-step instructions and examples ● Constant Memory™ feature allows programs and data to be retained even after you switch off the calculator ● Ideal for anyone who wants to learn calculator programming ● Batteries and vinyl case included

Mfr. sugg. ret.
50.00
**Elek-Tek Price**
36.00
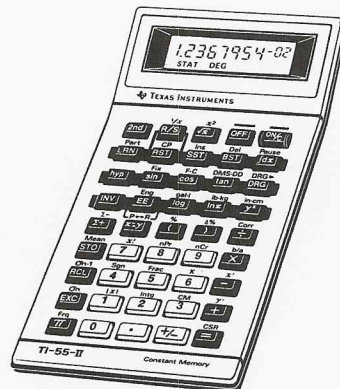
TI-55-II

● The TI-55-II scientific calculator with programming and statistics ● 112 powerful built-in functions for math, science and engineering ● Built-in logarithmic, trigonometric, hyperbolic and statistical functions let you handle complex problems quickly, easily ● Use up to 8 memories or 56 program steps ● Built-in metric conversions mean fast transition between various measurement systems ● Streamlined, tilt-top styling puts the display at the best angle for viewing ● *Calculator Decision-Making Sourcebook* shows you how to isolate important data, weigh alternatives and arrive at rapid, more accurate decisions. Easy "how-to" solutions for basic programming, trend analysis, forecasting, math and science problems—and much more
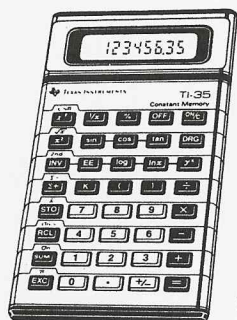
Mfr. sugg. ret.
25.00
**Elek-Tek Price**
18.00
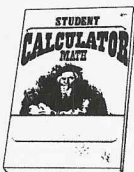
TI-35SP

● Texas Instruments Slimline TI-35™ Student Math Kit—combines scientific calculator with problem-solving math book ● 54 of the most needed slide rule functions: Roots, powers, reciprocals, common and natural logarithms, and trigonometry in degrees, radians, or grads ● Includes many special functions such as pi, percent, constant, factorial, and scientific notation ● Built-in statistical functions ● Eight-digit display with 5-digit mantissa and 2-digit exponent in scientific notation ● APD™ automatic power down feature ● Comes complete with a vinyl wallet ● *Student Calculator Math Book* contains 224 pages of math facts, useful formulas for home, school, science and business to help you get the most out of this calculator.

Mfr. sugg. ret.
**30.00**
Elek-Tek Price
23.00
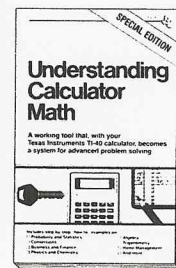
TI-40

● 8-digit liquid crystal display or 5-digit mantissa and 2-digit exponent in scientific notation. Shows decimal point, negative sign, angular mode, and statistics ● Performs roots, powers, reciprocals, common and natural logarithms, trigonometry—in degrees, radians or grads ● Features TI's new easy-to-read tilt-top display ● Built-in statistical functions include data entry, mean and standard deviation for both sample and population data ● Four-key memory ● Special, professional edition of *Understanding Calculator Math* provides step-by-step "how-to" examples to master problems in probability and statistis, conversions, physics and chemistry, algebra, trigonometry, home management and more ● TI's AOS* algebraic operating system makes it easy. Just enter problems as they are written left-to-right ● Get up to 1000 hours from batteries (included).

TI LCD PROGRAMMER

Hexadecimal. Octal. Decimal. Texas Instruments' new LCD Programmer lets the computer professional and hobbyist perform fast accurate conversions and calculations in any of these number bases.

Enter a number in base 8, 10 or 16. TI Programmer can quickly convert to either of the other bases. Rapidly handle arithmetic computations in all three bases giving you more time for important programming or troubleshooting tasks.

Three-key memory lets you store, recall, or sum to memory contents. Decimal base features signed floating point arithmetic for convenience in day-to-day math. Uses "Two's complement" arithmetic in hexadecimal and octal bases. Features easy-to-read tilt-top LCD display.
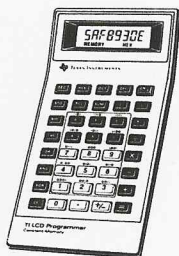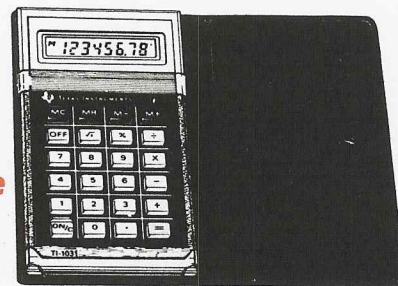
Mfr. sugg. ret.
75.00

Elek-Tek Price
50.00

Mfr. sugg. ret.
12.95
Elek-Tek Price
9.00

TI-1031

● The TI-1031 handles your most-needed arithmetic functions—addition, subtraction, multiplication, division, percentage and square root ● As thin as a pencil and sized to fit your hand ● The TI-1031 is an attractive and useful addition to your personal and business accessories ● Four-key memory with memory plus, memory minus, memory recall and memory clear ● 8-digit large, easy-to-read liquid crystal display (LCD) ● APD™ automatic power down saves batteries ● Batteries and vinyl wallet included

TEXAS INSTRUMENTS

TI-BA-55
Professional Business Analyst™

● An advanced financial and statistical calculator system—the TI Professional Business Analyst™ ● Preprogrammed functions include time value of money calculations, amortization balance interest and principle, interest problems, net present value and internal rate of return with ten variable grouped cash flows, interest rate conversion, and statisical mean and standard deviation, linear regression, and more ● For even more flexibility, you can program your own calculations of up to 32 steps ● Tilt-top styling makes the big LCD display even easier to read ● The accompanying *Professional Business Analyst™ Guide* provides page after page of practical applications to help you fully utilize the calculator's functions and features ● Constant Memory™ feature allows the calculator to retain stored data even when the power is switched off ● A *Quick Reference Guide* summarizing most-used functions is also provided for on-the-spot information wherever you go ● Batteries and vinyl case included

**Elek-Tek Price**
43.00

Mfr. sugg. ret.
60.00
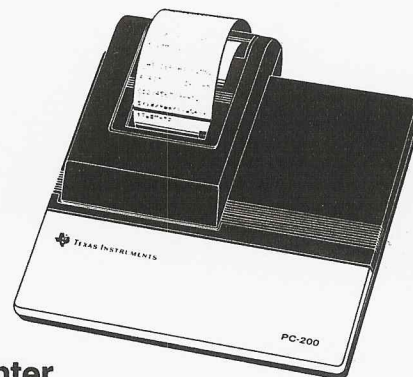
PC-200 Printer
for TI Professional Business Analyst™

● Compact, "hard-copy" companion for the TI Professional Business Analyst™ calculator ● Battery-powered, quiet thermal printer designed for the TI Professional Business Analyst™ ● Controlled from the calculator keyboard via a maneuverable connecting cord ● Convenient five-character audit trail to identify entered numbers, results, or entire calculations ● Compact and lightweight, the PC-200 thermal printer goes where the work is—in the office, at home, or on the road

Elek-Tek Price
**52.00**

Mfr. sugg. ret.
70.00
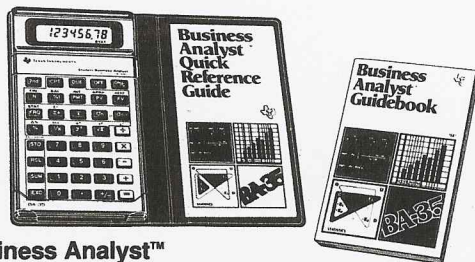
TI-BA-35
Student Business Analyst™

● Easy to use, with pre-programmed functions that relate directly to business courses ● The calculator and its special Guidebook make a powerful combination that can help students expand their knowledge in finance, accounting and statistics ● Preprogrammed functions include time value of money calculations, amortization interest and principle problems, interest rate conversions statistical mean and standard deviation, and more ● Constant Memory™ feature allows the calculator to retain stored data even when the power is switched off ● Battery-saving APD™ (automatic power down) feature automatically switches off the calculator after 10 minutes of non-use ● Batteries and vinyl case included

Elek-Tek Price
**26.00**

Mfr. sugg. ret.
35.00
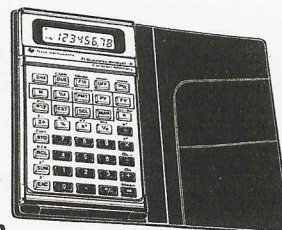
TI Business Analyst-II
Executive Calculating System

● Explore alternatives in lease/buy options, loan amortizations, real estate mortgages, sales and earnings forecasts ● *Executive Calculator Guidebook* illustrates more than 200 easy-to-follow business and personal situations ● *Quick Facts for Business* provides fast, handy reference for on-the-spot financial problem-solving ● Built-in statistical functions let you compute mean, standard deviation for sample and population data, linear regressions and trend line analysis ● 8-digit liquid crystal display (LCD) shows scientific notation, decimal point and negative sign, error and calculator mode indication plus battery condition ● APD* automatic power down helps prevent accidental battery drain ● Solves retailing calculations—Gross profit margin, cost and selling price

Elek-Tek Price
36.00
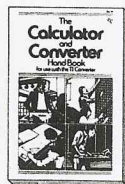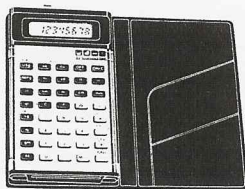
Mfr. sugg. ret.
50.00
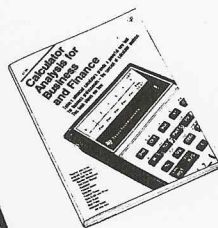
The MBA

● Make better business and financial decisions with The MBA* ● Comes with *Calculator Analysis for Business and Finance*—a fact-filled book to help you make better business decisions ● Preprogrammed financial functions let you compute net present value and internal rate of return for variable cash flows. Payment, present value, future value, interest rate for annuities, bond yields, and much more ● Statistical functions offer mean, variance and standard deviation—at the touch of a key ● Built-in linear regression with correlation coefficient ● Simple programmability lets it remember up to 32 program steps ● Twelve memories add to The MBA's versatility and power ● Rechargeable Battery Pack, recharger, and vinyl case included

Elek-Tek Price
50.00

Mfr. sugg. ret.
70.00

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TI CONVERTER KIT

Mfr. sugg. ret.
24.95

Elek-Tek Price
20.00

● The TI Converter Kit-194 built-in conversions in English and metric measurements ● For today's increasingly important English/metric conversions ● In business and trade. In the classroom. Around the house. At the store ● Unique TI Converter operates more simply and logically than any other similar product ● Handles 194 conversions in weight, capacity, length and temperature ● Four-function memory with TI's Constant Memory* feature retains data even when the calculator is turned off ● TI's APD* automatic power down automatically turns off the calculator after several minutes of non-use ● 100-page guidebook, *Calculator and Converter Handbook,* gives you valuable information to solve problems in home improvements, business, comparison shopping, travel, hobbies and sports ● *Quick Reference Guide* travels with the TI Converter, offers instant, on-the-spot help with conversion factors and formulas

TI-1766 SOLAR CALCULATOR
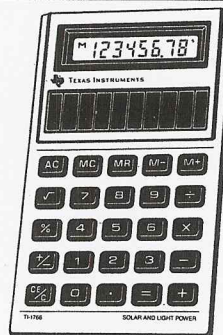
Mfr. sugg. ret.
17.95

Elek-Tek Price
14.00

● Now, a calculator that never needs batteries: the TI-1766 with Solar & Light Power ● Use it as long as you like, even store it for months at a time. You never need to worry about batteries going dead ● Unique solar cell panel generates energy off any light—indoors and out! ● No on/off switch. It's ready the instant light touches it, turns itself off automatically the moment you put it in pocket or desk drawer ● Sleek, ultra-slim and weighs less than 2½ ounces ● Truly convenient and economical to use ● Four functions plus square root and automatic percentages ● Four-key memory adds versatility ● 8-digit liquid crystal display (LCD) shows decimal point, negative sign and overflow indication ● Vinyl wallet included
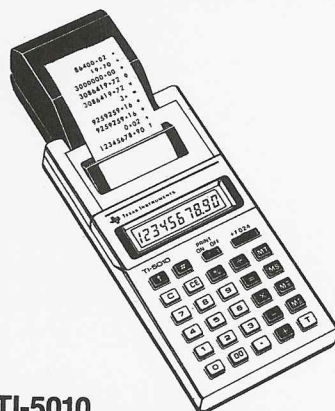
TI-5010

Mfr. sugg. ret.
45.00

Elek-Tek Price
34.00

● The get-down-to-business printer/display in a get-up-and-go size ● Lightweight, hand-held printer/display calculator for home, school business or travel ● Prints out a clear, legible record with audit trail—on 1½ inch plain paper tape at 1.5 lines per second ● Convenience features of a large, desk-top business calculator: Percents, fixed/floating decimal select, automatic constant, item count, printer on/off switch, 00 key, date/number key ● Versatile 4-key memory ● 10 digit liquid crystal display (LCD) shows decimal, comma and status indicators ● Works off standard wall outlet (with optional AC adapter)
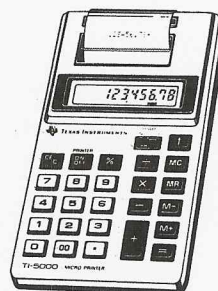
TI-5000 Pocket-sized Printer/LCD Display

Mfr. sugg. ret.
45.00

Elek-Tek Price
29.00

● A handsome, pocket-sized, 10-digit printer/LCD Display calculator for home or office ● Super-compact thermal printer with display calculator ● Convenient audit trail to identify number functions and results ● Comfortable, efficient keyboard with large add bar and "solid-feel" keys ● Four-key memory ● Convenient "double-zero" key, paper-advance key, and automatic percent key ● Printer on-off key lets you use printer only when needed ● APD™ (automatic power down) feature turns off the calculator after 10 minutes of non-use ● Optional AC adapter is available ● Easy-to-read, 10-digit liquid crystal display with commas and decimal ● 3 AAA batteries not included

Extra Thermal paper (5 pack)   **2.00**

THERMAL PAPER

		Mfr. List	Elek-Tek Price
TP-27225	Three-roll pack for TI-5015 and TI-5040	4.00	2.40
TP-30250	Three-roll pack for PC-100C and TI-5230	10.00	6.50

ACCESSORIES

		Mfr. List	Elek-Tek Price
AC-9130SW	120/240V AC adaptor for BP-1A	14.75	12.00
AC-9131	120V AC adaptor/charger for use with TI 58C/59	5.50	4.50
AC-9132	120V AC adaptor/charger for use with BP-7 or BP-8	6.00	5.00
AC-9199	AC adaptor for Speak & Spell, Speak & Read, Speak & Math	7.00	5.00
BC-59	40 blank cards and card case for TI-59	15.00	11.00
BP-1A	Battery Pack for TI-58C/59	10.50	8.00
BP-6	Battery Pack for SR-51-II	6.50	5.50
BP-7	Battery Pack for TI-55/57/MBA	8.00	6.50
BP-8	Battery Pack for SR-40, TI-30, Business Analyst I	8.00	6.50
PW-5859	Programming workbook for TI 58C/59	6.65	5.50
RK-2	Rechargeable kit for TI-30, Business Analyst I	12.00	10.00
PROG PAD	Programming Pad for all programmable calculators	5.00	3.50

CALL (800) 621-1269   **ILLINOIS (312) 677-7660**

All prices FOB our warehouse; prices subject to change without notice.
All goods subject to availability and guaranteed by respective manufacturers.

TEXAS INSTRUMENTS

TI-5213

The TI-5213 combines the basic effiency of a full-function commercial calculator with the reliability of our impact printer in a sleek, two-tone unit. The independent add register lets you operate this calculator as though it had a memory.

Mfr. sugg. ret.
160.00
Elek-Tek Price
99.00

TI-5215

The TI-5215 adds a powerful live memory. Add-to, subtract from, subtotal or total memory without affecting previous calculations in progress. Couple this live memory with the memory-like power of the independent add register, and you get the equivalent capability of a versatile dual memory.

Mfr. sugg. ret.
175.00
Elek-Tek Price
108.00

TI-5219

The TI-5219 offers all the basic accounting functions you need plus the added versatility of a powerful four-function memory. Its vacuum fluorescent display adds the convenience of a bright, legible readout and the printer on/off switch lets you compute with or without printed tape.

Mfr. sugg. ret.
205.00
Elek-Tek Price
130.00

TI-5040-II 10-Digit Thermal Print/Display Calculator

● Large, easy-to-read display can be used alone or with printer ● Fully addressable 4-function memory ● Independent add-register enables you to multiply or divide without affecting add/subtract entries ● Fully selective printing capabilities from single numbers to complete calculations, including audit symbols ● AC operation ● Full floating decimal, automatic constant and percent key ● 8″ × 5″ × 1.9″ ● Weight 1.2 lbs.

Mfr. sugg. ret.
75.00

Elek-Tek Price
49.00
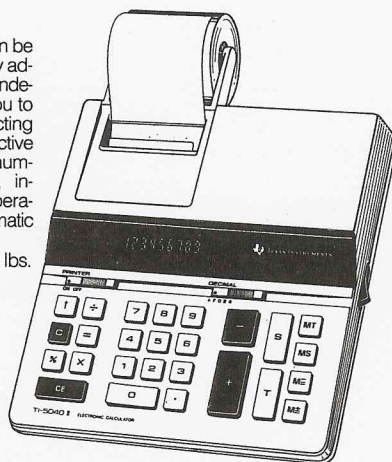
TI-5142

● 12-digit mechanical printer prints up to 12 digits plus commas and decimal point at a rate of 2.5 lines per second **on standard add tape** ● When not needed, the printer may be switched off ● 12-digit vacuum fluorescent display shows comma and decimal point punctuation, memory status, overflow and +/− indicator ● Mark up/down key provides automatic percentage calculations of price reductions or additions ● Packed into an attractive, desk-hugging case only 2½″ high ● Non-add key for dating, numbering and labeling ● Decimal selector switch offers fixed or floating decimal ● Includes dust cover and roll of paper

Elek-Tek Price
77.00

Mfr. sugg. ret.
115.00

TI-5130

● Rugged, reliable plain-paper printer offers 10-digit printout with punctuation and audit trail ● Prints on standard 2¼″ plain paper ● Economical printer on/off switch lets you use only the display when you don't need the tape ● 10-digit display shows characters and status indicators in soft green light ● Versatile four-key memory ● Basic functions—plus automatic percent and constant keys, item counter, date/non-add key for labeling ● Decimal Select Switch lets you choose full-floating or fixed decimal at 0, 2, 3, or 4 places ● Handsome styling. The perfect answer to light office accounting and home finance tasks.

**Elek-Tek Price**
60.00

Mfr. sugg. ret.
90.00

TI-5100

Mfr. sugg. ret.
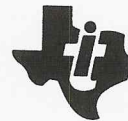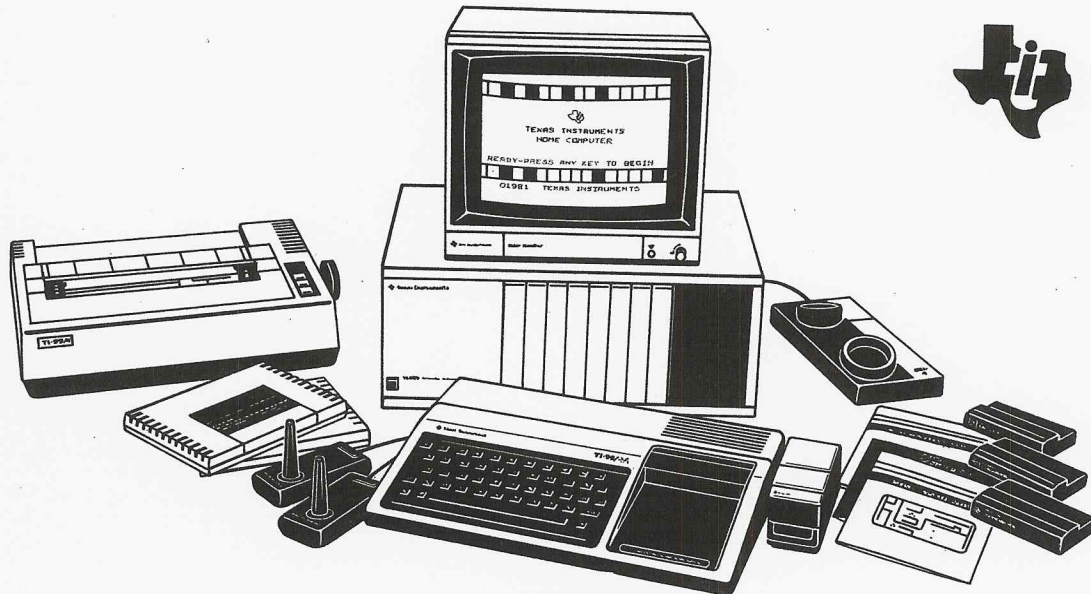50.00

Elek-Tek Price
38.00

● "Touch system" key arrangement with big "plus" key memory make this versatile desk-top calculator ideal for business or home ● Four-key memory, item-count key, full floating or preset decimal point ● Answers are shown on big, bright green 10-digit vacuum fluorescent display with comma punctuation
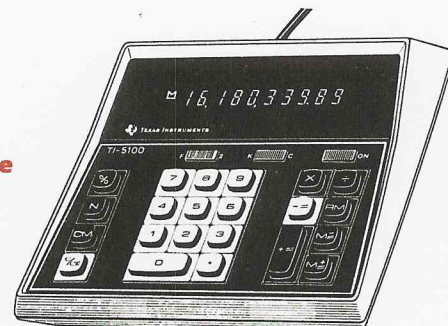
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TEXAS INSTRUMENTS

The one to start with is the one to stay with. The Texas Instruments Home Computer offers a big choice of accessories to let you expand and customize your system.

TI 99/4A

Elek-Tek Price

300.00
CONSOLE ONLY

Mfr. sugg. ret.
450.00

Personalizing your own home system to meet your needs is easy with the TI Home Computer. There's a wide selection of accessories, many of which are available in TI's new convenient, space-saving Peripheral Expansion System.

Expand your random access memory up to 52K bytes. Or add a Disk Memory System with up to three disk drives. Or add the capability to use or write programs in several different high level computer languages.

You can get equipped to use the hundreds and hundreds of programs and services available over ordinary telephone lines. There's an economical, high-performance printer—and, of course, with the Solid State Speech™ Synthesizer, your TI Home Computer can even *talk!*

Designed to be easy to use, whether you're a beginner or an old hand at writing your own programs. All you need to get started

is the TI-99/4A Home computer console and your own television receiver. More than 70 plug-in programs are available now in TI's fast-growing library of solid State Software™ Command Cartridges. A wide range of Solid State Software™ Command Cartridge programs includes education, home management, taxes, personal finances, arcade-type games and much more. TI BASIC is built in. Other available languages include Extended BASIC, TI LOGO, UCSD Pascal*, TMS 9900 Assembly Language, and TI PILOT. (*UCSD Pascal is a trademark of the Regents of the University of California.)

You'll find that the home computer that's easiest to start with is also the easiest to expand and grow into the system that's right for you and your family. That's why it's THE Home Computer. From Texas Instruments.

TI-99/4A Home Computer System

TEXAS INSTRUMENTS

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
CONSOLE			
PHC 004A	TI-99/4A Home Computer (incl. RF Modulator)	525.00	300.00
PERIPHERALS			
PHP 1200	Peripheral Expansion Box	249.95	180.00
PHP 1220	RS-232 Card	174.95	130.00
PHP 1240	Disk Controller Card (One Disk Manager module packed with each Disk Controller)	249.95	180.00
PHP 1250	Expansion System Disk Drive (Disk Drive Controller required)	399.95	285.00
PHP 1260	Memory Expansion Card (32K RAM)	299.95	215.00
PHP 1270	P-Code Card (32K RAM Memory Expansion required)	249.95	180.00
PHP 1500	Solid State Speech™ Synthesizer	149.95	110.00
PHP 1600	Telephone Coupler (Modem)	224.95	163.00
PHP 2500	TI 80 Column Impact Printer	750.00	500.00
PHP 2300	VCR Controller	699.95	500.00
PHP 2400	P-Code Peripheral	399.95	290.00
PHA 2100	R.F. Modulator (TV Adapter)	49.95	38.00
PHA 4100	10" Color Monitor	399.95	320.00
OPTIONAL ACCESSORIES			
PHP 1100	Wired Remote Controllers (Pair)	34.95	28.00
PHA 1950	Thermal Paper (2 Pack)	9.95	8.00
PHA 2000	Dual Cassette Cable	14.95	12.00
PHA 2010	Monitor Cable	19.95	15.00
PHA 2020	Audio Adapter (Headphone Jack)	19.95	15.00
PHA 2310	Panasonic VCR Controller Cables	99.95	85.00
PHA 2320	Sony Video Controller Cables	99.95	85.00
PHA 2330	Pioneer Video Controller Cables	99.95	85.00

APPLICATION PROGRAMS

Home Management/Personal Finance

Command Modules

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
PHM 3006	Home Financial Decisions	29.95	24.00
PHM 3007	Household Budget Management (Data storage system is required)	39.95	32.00
PHM 3012	Securities Analysis	54.95	44.00
PHM 3013	Personal Record Keeping (Data storage system is recommended)	49.95	40.00
PHM 3016	Tax/Investment Record Keeping (Disk system is recommended)	69.95	56.00
PHM 3022	Personal Real Estate (Data storage system is recommended)	69.95	56.00
PHM 3044	Personal Report Generator (Data storage system is recommended)	49.95	40.00
PHM 3111	TI Writer (32K Memory Expansion required)	99.95	75.00
PHM 3113	Microsoft™ Multiplan™ (32K Memory Expansion required)	99.95	75.00
Diskette			
PHD 5001	Mailing List	69.95	56.00
PHD 5003	Personal Financial Aids	19.95	16.00
PHD 5021	Checkbook Manager	19.95	16.00
PHD 5022	Business Aids Library—Finance Management (Extended BASIC Command Module is required)	39.95	32.00
PHD 5024	Business Aids Library—Inventory Management (Personal Record Keeping or Statistics Command Module is required)	69.95	56.00
PHD 5027	Business Aids Library—Invoice Management (Personal Record Keeping or Statistics Command Module is required)	69.95	56.00
PHD 5029	Business Aids Library—Cash Management (Extended BASIC Command Module is required)	39.95	32.00
PHD 5038	Business Aids Library—Lease/Purchase Decisions	69.95	56.00
Cassette			
PHT 6003	Personal Financial Aids	14.95	12.00
PHT 6038	Business Aids Library—Lease/Purchase Decisions	59.95	45.00

Educational/Personal Enrichment

Command Modules

Texas Instruments Packages

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
PHM 3002	Early Learning Fun	29.95	24.00
PHM 3003	Beginning Grammar	29.95	24.00
PHM 3004	Number Magic	19.95	16.00
PHM 3005	Video Graphs	19.95	16.00
PHM 3008	Video Chess	69.95	56.00
PHM 3010	Physical Fitness	29.95	24.00
PHM 3020	Music Maker (Data storage system is recommended)	39.95	32.00
PHM 3021	Weight Control and Nutrition (Data storage system is recommended)	59.95	48.00
PHM 3040	TI LOGO (Memory Expansion is required)	129.95	75.00
PHM 3064	Touch Typing Tutor* (Available for TI-99/4A only)	39.95	32.00
PHM 3109	TI Logo II* (32K Memory Expansion is required)	129.95	75.00

* Available in Fourth Quarter 1982.
† Developed by Scott, Foresman.
†† Developed by Milton Bradley—The Attack, Blasto, Hustle, ZeroZap, Connect Four and Yahtzee are trademarks of Milton Bradley.
††† Developed by Microsoft™, Inc. Multiplan™ is a trademark of Microsoft™, Inc.
(1) Available only until replaced by peripheral card.
(2) UCSD, UCSD Pascal and UCSD p-System are all trademarks of the Regents of the University of California.
(3) Othello is a trademark of Gabriel Industries.
(4) Course is designed to be used with Circuit Analysis I textbook.

Scott, Foresman Reading and Math Packages (Developed by Scott, Foresman)

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
PHM 3015	Early Reading (Solid State Speech™ Synthesizer is required)	54.95	44.00
PHM 3043	Reading Fun (Solid State Speech™ Synthesizer is recommended)	54.95	44.00
PHM 3046	Reading On	54.95	44.00
PHM 3047	Reading Roundup	54.95	44.00
PHM 3048	Reading Rally	54.95	44.00
PHM 3082	Reading Flight	54.95	44.00
PHM 3027	Addition and Subtraction I (Solid State Speech™ Synthesizer is recommended)	39.95	32.00
PHM 3028	Addition and Subtraction II (Solid State Speech™ Synthesizer is recommended)	39.95	32.00
PHM 3029	Multiplication I (Solid State Speech™ Synthesizer is recommended)	39.95	32.00
PHM 3049	Division I (Solid State Speech™ Synthesizer is recommended)	39.95	32.00
Scholastic Packages (Developed by Scholastic, Inc.)			
PHM 3059	Scholastic Spelling—Level 3 (Solid State Speech™ Synthesizer is required)	59.95	48.00
PHM 3060	Scholastic Spelling—Level 4 (Solid State Speech™ Synthesizer is required)	59.95	48.00
PHM 3061	Scholastic Spelling—Level 5 (Solid State Speech™ Synthesizer is required)	59.95	48.00
PHM 3062	Scholastic Spelling—Level 6 (Solid State Speech™ Synthesizer is required)	59.95	48.00
Addision-Wesley Computer Math Games (Developed by Addison-Wesley Publishing Co.)			
PHM 3083	Computer Math Games II	39.95	32.00
PHM 3088	Computer Math Games VI	39.95	32.00
Milliken Home Math Series—K thru 8th grade (Developed by Milliken Publishing Co.)			
PHM 3090	Addition*	39.95	32.00
PHM 3091	Subtraction*	39.95	32.00
PHM 3092	Multiplication*	39.95	32.00
PHM 3093	Division*	39.95	32.00
PHM 3094	Integers*	39.95	32.00
PHM 3095	Fractions*	39.95	32.00
PHM 3096	Decimals*	39.95	32.00
PHM 3097	Percents*	39.95	32.00
Diskette			
Texas Instruments Packages			
PHD 5007	Teach Yourself BASIC	34.95	28.00
PHD 5009	Music Skills Trainer	29.95	24.00
PHD 5011	Computer Music Box	19.95	16.00
PHD 5018	Market Simulation	19.95	16.00
PHD 5019	Teach Yourself Extended BASIC (Extended BASIC Command Module is required)	24.95	20.00
PHD 5020	Music Maker Demonstration (Music Maker Command Module is required)	14.95	12.00
PHD 5023	Basketball Statistics (Extended BASIC Command Module is required)	24.95	20.00
PHD 5026	Bridge Bidding I	29.95	24.00
PHD 5030	Speak & Spell™ Program (Solid State Speech™ Synthesizer is required)	29.95	24.00
PHD 5031	Speak & Math™ Program (Solid State Speech™ Synthesizer and Terminal Emulator II are required)	29.95	24.00
PHD 5039	Bridge Bidding II	29.95	24.00
PHD 5041	Bridge Bidding III	29.95	24.00
PHD 5042	Speller Writer (Terminal Emulator II Command Module and Solid State Speech™ Synthesizer are required)	29.95	24.00
PHD 5067	Beginner's BASIC/Tutor	29.95	24.00
MECC Packages (Developed by Minnesota Educational Computing Consortium)			
PHD 5078	Metric and Counting* (Extended Basic Command Module is required)	29.95	24.00
PHD 5079	Elementary Economics*	29.95	24.00
PHD 5080	Elementary Math and Science* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5081	Astronomy* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5082	Word Beginnings* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5083	Exploring* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5084	Math Practice* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5085	Science Facts* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5086	Natural Science* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5087	Social Science* (Extended BASIC Command Module is required)	29.95	24.00
PHD 5088	Teacher's Tool Box* (Extended BASIC Command Module and printer are required)	29.95	24.00
Cassette			
PHT 6007	Teach Yourself BASIC	29.95	24.00
PHT 6009	Music Skills Trainer	24.95	20.00
PHT 6011	Computer Music Box	14.95	12.00
PHT 6018	Market Simulation	14.95	12.00
PHT 6019	Teach Yourself Extended BASIC (Extended BASIC Command Module is required)	19.95	16.00
PHT 6026	Bridge Bidding I	24.95	20.00
PHT 6031	Speak & Math™ Program (Solid State Speech™ Synthesizer and Terminal Emulator II are required)	24.95	20.00

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All goods subject to availability and guaranteed by respective manufacturers.

TI-99/4A Home Computer System

TEXAS
INSTRUMENTS

17

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
APPLICATION PROGRAMS CONTINUED			
Education/Personal Enrichment Continued			
PHT 6039	Bridge Bidding II	24.95	20.00
PHT 6041	Bridge Bidding III	24.95	20.00
PHT 6042	Spell Writer (Terminal Emulator II Command Module and Solid State Speech™ Synthesizer are required)	24.95	20.00
PHT 6067	Beginner's BASIC Tutor	24.95	20.00
Entertainment			
Command Modules			
Texas Instruments Packages			
PHM 3009	Football	29.95	24.00
PHM 3018	Video Games I	29.95	24.00
PHM 3023	Hunt the Wumpus	24.95	20.00
PHM 3024	Indoor Soccer	29.95	24.00
PHM 3025	Mind Challengers	24.95	20.00
PHM 3030	A-Maze-Ing	24.95	20.00
PHM 3052	Tombstone City: 21st Century	39.95	32.00
PHM 3053	TI Invaders	39.95	32.00
PHM 3054	Car Wars	39.95	32.00
PHM 3057	Munch Man	39.95	32.00
PHM 3042D	Tunnels of Doom (2 Diskette Games Included)	59.95	45.00
PHM 3042T	Tunnels of Doom (2 Cassette Games Included)	59.95	45.00
PHM 3056	Alpiner*	39.95	32.00
PHM 3110	Chisholm Trail	39.95	32.00
PHM 3112	Parsec*	39.95	32.00
Milton Bradley Packages (Developed by Milton Bradley Company)			
PHM 3031	The Attack††	39.95	32.00
PHM 3032	Blasto††	24.95	20.00
PHM 3033	Blackjack and Poker††	24.95	20.00
PHM 3034	Hustle††	24.95	20.00
PHM 3036	ZeroZap††	19.95	16.00
PHM 3037	Hangman††	19.95	16.00
PHM 3038	Connect Four††	19.95	16.00
PHM 3039	Yahtzee††	24.95	20.00
Adventure International Packages (Developed by Scott Adams)			
PHM 3041D	Adventure (Pirate Adventure Diskette Game Included)	49.95	40.00
PHM 3041T	Adventure (Pirate Adventure Cassette Game Included)	49.95	40.00
Gabriel Industries Packages (Developed by Gabriel Industries)			
PHM 3067	Othello† (Developed by Gabriel Industries)	39.95	32.00
Diskette			
Texas Instruments Packages			
PHD 5002	TI-Trek (with optional speech)	14.95	12.00
PHD 5010	Mystery Melody	14.95	12.00
PHD 5015	Oldies But Goodies—Games I	19.95	16.00
PHD 5017	Oldies But Goodies—Games II	24.95	20.00
PHD 5025	Saturday Night Bingo (Solid State Speech™ Synthesizer is required)	29.95	24.00
PHD 5037	Draw Poker (Extended BASIC Command Modules is required)	24.95	20.00
PHD 5057	Tombstone City: 21st Century (32K Memory Expansion and Extended BASIC Command Module are required)	19.95	16.00
PHD 5058	TI Invaders (32K Memory Expansion and Either Extended BASIC or Editor/Assembler Command Module are required)	19.95	16.00
PHD 5060	Munch Man (32K Memory Expansion and Either Extended BASIC or Editor/Assembler Command Module are required)	19.95	16.00
Adventure International Adventure Series (Developed by Scott Adams) (PHM 3041D required)			
PHM 5046	Adventureland	29.95	24.00
PHD 5047	Mission Impossible	29.95	24.00
PHD 5048	VooDoo Castle	29.95	24.00
PHD 5049	The Count	29.95	24.00
PHD 5050	Strange Odyssey	29.95	24.00
PHD 5051	Mystery Fun House	29.95	24.00
PHD 5052	Pyramid of Doom	29.95	24.00
PHD 5053	Ghost Town	29.95	24.00
PHD 5054	Savage Island I & II	39.95	32.00
PHD 5056	Golden Voyage	29.95	24.00
Cassette			
Texas Instruments Packages			
PHT 6010	Mystery Melody	9.95	9.00
PHT 6015	Oldies But Goodies—Games I	14.95	12.00
PHT 6017	Oldies But Goodies—Games II	19.95	16.00
PHT 6025	Saturday Night Bingo (Solid State Speech™ Synthesizer is required)	24.95	20.00
PHT 6037	Draw Poker	19.95	16.00
Adventure International Adventure Series (Developed by Scott Adams) (PHM 3041T required)			
PHT 6046	Adventureland	29.95	24.00
PHT 6047	Mission Impossible	29.95	24.00
PHT 6048	Voodoo Castle	29.95	24.00
PHT 6049	The Count	29.95	24.00
PHT 6050	Strange Odyssey	29.95	24.00
PHT 6051	Mystery Fun House	29.95	24.00
PHT 6052	Pyramid of Doom	29.95	24.00
PHT 6053	Ghost Town	29.95	24.00
PHT 6054	Savage Island I & II	39.95	32.00
PHT 6056	Golden Voyage	29.95	24.00

Model	Name	Mfr. Sugg. Ret.	Elek-Tek Price
OTHER APPLICATION PROGRAMS			
Command Modules			
PHM 3001	Demonstration	69.95	58.00
PHM 3011	Speech Editor (Solid State Speech™ Synthesizer is required)	44.95	36.00
PHM 3014	Statistics (Data storage system is recommended)	44.95	36.00
PHM 3026	Extended BASIC	99.95	75.00
PHM 3035	Terminal Emulator II	49.95	40.00
PHM 3055	Editor/Assembler	99.95	80.00
PHM 3058	Mini-Memory (4K)	99.95	80.00
PHM 3045D	SMU Electrical Engineering Library(4) (2 Diskettes included)	149.95	120.00
PHM 3045T	SMU Electrical Engineering Library(4) (10 Cassettes included)	149.95	120.00
Diskette			
PHD 5004	Programming Aids I	14.95	12.00
PHD 5005	Programming Aids II	24.95	20.00
PHD 5006	Math Routine Library	29.95	24.00
PHD 5008	Electrical Engineering Library	29.95	24.00
PHD 5012	Programming Aids III	19.95	16.00
PHD 5013	Graphing Package	19.95	16.00
PHD 5016	Structural Engineering Library	29.95	24.00
PHD 5044	AC Circuit Analysis	29.95	24.00
PHD 5063	UCSD-PASCAL(2) Compiler (32K Memory Expansion and P-Code required)	124.95	100.00
PHD 5064	UCSD p-System(2) Assembler/Linker (32K Memory Expansion and P-code required)	99.95	80.00
PHD 5065	UCSD p-System(2) Editor/Filer/Utilities (32K Memory Expansion and P-code required)	74.95	60.00
PHD 5066	TI PILOT (32K Memory Expansion and P-code required)	79.95	60.00
PHD 5068	Course Designer Authoring Package (Extended BASIC required and Video Controller optional)	199.95	150.00
PHD 5075	Text-To-Speech (English) a (Solid State Speech™ Synthesizer, 32K Memory Expansion and Extended BASIC Command Module are required)	29.95	24.00
Cassette			
PHT 6004	Programming Aids I	9.95	9.00
PHT 6006	Math Routine Library	24.95	20.00
PHT 6008	Electrical Engineering Library	24.95	20.00
PHT 6013	Graphing Package	14.95	12.00
PHT 6016	Structural Engineering Library	24.95	20.00
PHT 6044	AC Circuit Analysis	24.95	20.00
SOFTWARE LIBRARIES			
PHL 7001	The Home Financial Manager	139.95	100.00
PHL 7002	The Family Entertainer	89.95	65.00
PHL 7003	The Elementary Educator	99.95	75.00
PHL 7004	The Music Educator	64.90	50.00
PHL 7005	The Super Programmer	119.00	90.00
PHL 7006	The Speaking Math Teacher	119.85	90.00
PHL 7007	The Speaking Reading Teacher	109.90	85.00
PHL 7008	The Speaking Scholastic Spelling Teacher	219.80	160.00
PHL 7009	The TI Arcade Game Series	119.85	90.00
PHL 7010	The Milton Bradley Game Series	114.75	90.00
PHL 7011	The Computer Introductory Package	119.85	90.00
DOCUMENTATION			
PHA 2606	Creative Programming Computer Competency Series—Volume1	9.95	8.00
PHA 2607	Creative Programming Computer Competency Series—Volume II	9.95	8.00
PHA 2608	Creative Programming Computer Competency Series—Volume III	9.95	8.00
PHA 2609	Creative Programming Computer Competency Series—Allstar Projects	9.95	8.00

* Available in Fourth Quarter 1982.
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†† Developed by Milton Bradley—The Attack, Blasto, Hustle, ZeroZap, Connect Four and Yahtzee are trademarks of Milton Bradley.
††† Developed by Microsoft™, Inc. Multiplan™ is a trademark of Microsoft™, Inc.
(1) Available only until replaced by peripheral card.
(2) UCSD, UCSD Pascal and UCSD p-System are all trademarks of the Regents of the University of California.
(3) Othello is a trademark of Gabriel Industries.
(4) Course is designed to be used with Circuit Analysis I textbook.

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18

TEXAS INSTRUMENTS

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90.00

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The Little Professor

● It's like 50,000 flash cards ● Easy-to-read liquid crystal display provides long battery life—over 2000 hours or more with 2 AA alkaline batteries (not included) ● Tables mode gives practice in math tables ● Comes with *The Little Professor Activity Book* ● Your child gets two chances to solve the problem before the Little Professor gives the correct answer ● Contains problems in addition, subtraction, multiplication and division
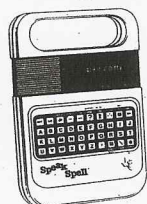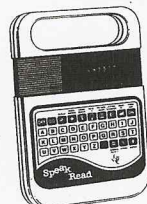
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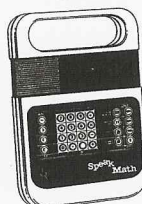
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Plug-In Word Modules expand the power of Speak & Spell™

● Basic Builders (Grades 2 & 3)   ● Vowel Power (Grades 2, 3, 4)
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Dog on a Log (Grade 1) ● On the Track (Grade 1)
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Ghost in the House (Grade 3) ● The Millionth Knight (Grade 3)

Mfg. sugg. ret.
20.00

Elek-Tek Price
15.00 each
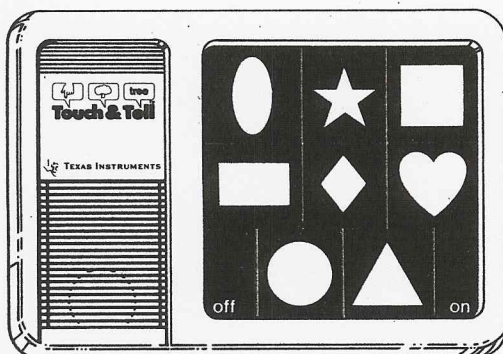
Elek-Tek Price
45.00

Mfr. sugg. ret.
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Touch & Tell FOR PRESCHOOLERS

● Electronic speech, sound effects and musical tunes make it fun. Plug-in modules with different overlays make it the most valuable and intelligently produced learning game a preschooler can own. Your child can master basic preschool concepts such as colors, shapes, animals, numbers, alphabet and more
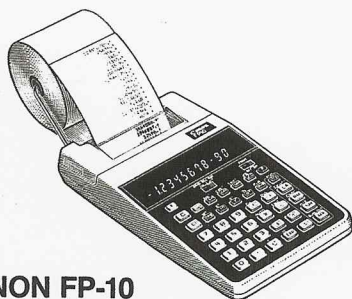
OPTIONAL MODULES COVER ALL THE BASICS

● Alphabet Fun ● Number Fun ● Animal Friends ● All About Me ● World of Transportation ● Little Creatures

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CANON FP-10

Mfr. sugg. ret.
104.95

Elek-Tek Price
80.00

10-Digit Printing Scientific Calculator
● Compact in size (4″ × 7³⁄₁₆″ × 11¹⁄₃₂″) yet prints on standard 2¼″ plain paper ● Printer clearly labels all functions including scientific and statistical with alpha-numeric printout ● Uses AOS (Algebraic Operating System) ● Single live memory ● Printer on/off selection ● Rechargeable for take-anywhere convenience
Spare ribbon cartridge **2.50**

CANON LC-8T

Mfr. sugg. ret.
29.95

Elek-Tek Price
24.00

Time Control Manager
Tedious time conversions are solved instantly for those involved in payrolls, broad-casting, transportation, etc. Add, subtract, multiply or divide hours, minutes and seconds and convert to their decimal equivalents simply and accurately. It's also a clock, calendar, alarm, stopwatch and an 8-digit LCD calculator with memory, square root and percentage keys.

CANON LS-2

Mfr. sugg. ret.
24.95

Elek-Tek Price
21.00

SOLAR Metric Conversion Calculator
● 40 metric conversion functions ● 8 digits and single live memory ● Percent and square-root functions ● Add-mode calculations displayed with $ and ¢ ● No batteries needed—operates on any light source.
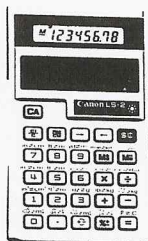
CANON LC-61T

Mfr. sugg. ret.
24.95

Elek-Tek Price
20.00

Card-Size Calculator with Time Functions
● 8-Digit LCD and live memory ● Accurate crystal quartz clock displays day, date, hour, minute and flashing second ● Alarm, stopwatch, laptime and time signal functions ● Sleek black color and ⅛″ slim ● Battery life approximately 1 year on a single lithium battery (included)
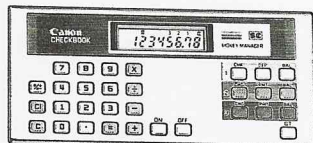
CHECKBOOK CALCULATOR

Mfr. sugg. ret.
24.95

Elek-Tek Price
20.00

● 3 non-volatile memories for storing bank (checking or savings) and/or credit card account balances ● 8-digit LCD and single live memory ● Automatic shut-off to conserve battery power ● Same dimensions as conventional checkbooks ● Power source: Lithium battery (included) ● Size 2⁹⁄₁₆″ × 3¹¹⁄₁₆″ × ⅛″ Weight: 1.27 oz.
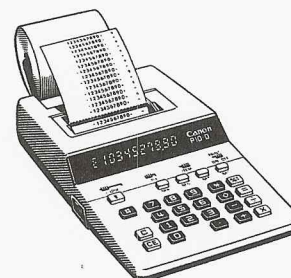
CANON P10-D

Mfr. sugg. ret.
84.95

Elek-Tek Price
63.00

The ORIGINAL Portable Printer
● 10 digits and single live memory ● Uses standard 2¼″-wide plain paper and easily replaceable ink roller cartridges ● Item count, printer on/off, round off/down option switches ● Decimal selection (+ , 3, 2, 0, F) ● Rechargeable for AC or DC operation

CANON TP-8

Mfr. sugg. ret.
31.95

Elek-Tek Price
25.00

Extra economical print/display calculator that fits in your hand.
● 8-digit blue fluorescent display ● Quiet thermal printer with full audit trail ● Dual power sources with 4 AA size batteries (included) or AC Adaptor (op-tional) ● Calculates square root, percentage and has a memory ● Features decimal selector, print on/off and non-add key for referencing dates, check nos., etc. ● Weight 6 oz. ● Size 2¹³⁄₁₆″ × 6⅞″ × 2⁹⁄₃₂″
Extra 5 pack of thermal paper **2.00**
AC Adapter **4.50**
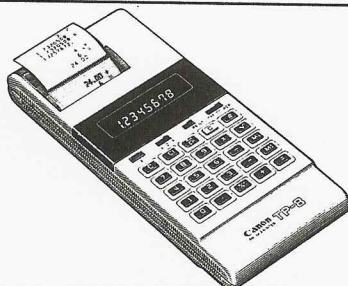
CANON P101-D IV

Mfr. sugg. ret.
129.95

Elek-Tek Price
99.00

Heavy-Duty Printing/Display Calculator
● 10 digits with single accumulative memory ● Large, easy-to-read display ● Keyboard and high-speed printer designed for rapid operation ● Super clear printout on standard 2¼″-wide plain paper ● Item count, printer on/off, Round off/down option switches ● Size 8½″ × 10⅝″ × 2¾″; Weight 3 lbs., 12 oz.
Spare ink roller **2.50**
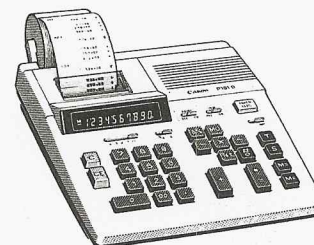
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SHARP

EL-550

Mfr. sugg. ret.
69.95

**Elek-Tek Price
55.00**

**Hand-held 10 Digit Scientific Thermal Printer
Full-featured 46 scientific functions**
● Some of the 46 scientific functions performed: trigonometric (sin, cos, tan) and their inverses ● Exponential (base 10 and base e) and their inverses (logarithms) ● Factorial (n!) ● Mean, sum and standard deviation ● Scientific notation of 8-digit mantissa and 2 digit exponent ● 15 levels of parentheses and 3 pending operations ● Independently accessible 3-key memory ● Automatic Power Off (APO)™ for extended battery life ● Operates on either AC/DC (3 AA Batteries included, AC Adaptor optional)

EL-515

Mfr. sugg. ret.
39.95

**Elek-Tek Price
30.00**
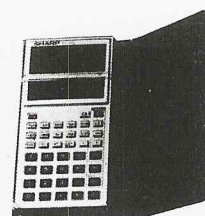
**SOLAR POWERED, SCIENTIFIC CALCULATOR
Solar power provides energy for this scientific calculator**
● New solar cells highly sensitive to light waves for complete efficiency and reliability ● No batteries ever required for virtually unlimited power supply ● 50 scientific and statistical functions performed at the touch of a button ● Computer-age hexadecimal conversions ● Large 10-digit easy-to-read liquid crystal display ● Independently accessible 3-key memory ● Floating/fixed decimal point ● Scientific notation ● Vinyl wallet included ● $2\frac{23}{32}''$(W) × $\frac{5}{16}''$(H) × $5\frac{19}{32}''$(D)

EL-5100

Mfr. sugg. ret.
89.95
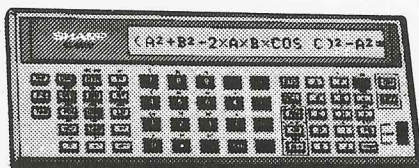
**Elek-Tek Price
55.00**

Thin Scientific Calculator with a Super Capacity Dot Matrix, Alphanumeric Display that writes an equation and remembers it.
● 24-digit dot matrix LCD ● Algebraic Expression Reserve (A.E.R.) mode stores formulas and protects them with Safe Guard™ ● Rolling writer display allows the entry of up to 80 characters ● Trig., inverse trig., hyperbolic abd exponential functions ● Number of samples, mean, sum of the x's, sum of the x²s, std. deviation, combination permutation and regression calculations ● Instant playback of equations for review or corrections

EL-5103

The calculator with direct formula entry and algebraic expression reserve
● 13-digit, dot-matrix, alphanumeric rolling display ● Memory Safe-Guard™ circuit to protect data ● Automatic Power-Off™ (A.P.O.) function ● 63 scientific and statistical functions including trigonometric, inverse trigonometric, hyperbolic, arc hyperbolic and exponential calculations ● Playback function/TAB function ● 15 levels of parentheses and 8 levels of pending operations ● Complete with attractive wallet and batteries
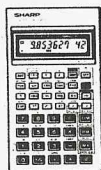
Mfr. sugg. ret.
59.95

**Elek-Tek Price
40.00**

EL-512

Mfr. sugg. ret.
44.95

**Elek-Tek Price
32.00**

**"THIN MAN"™ WALLET-SIZE WITH 128 PROGRAM STEPS
Improved scientific calculator with Multi Formula Reserve and decimal/hexadecimal system conversion.**
● In addition to performing the scientific functions, the EL-512 permits the user to store up to 128 program steps built-up from any of its preprogrammed ● Hyperbolic (sinh, cosh, tanh) and their inverses ● Rectangular/polar coordinate conversions ● Statistical functions ● 4-Multi Formula Reserve for storing formulas, and 9 Data Memories for storing numbers ● Direct formula entry enters formulas the way they are written ● Computer-age hexadecimal conversions ● Easy-to-read 10-digit liquid crystal display with scientific notation expression ● Independently accessible 3-key memory ● 15 levels of parentheses with up to 7 pending operations

EL-506H

Mfr. sugg. ret.
29.95

**Elek-Tek Price
20.00**
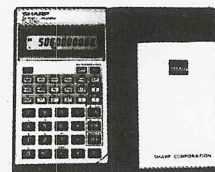
Advanced, scientific calculator with decimal/hexadecimal system conversion key
● 48 pre-programmed scientific functions turn complicated problems into easy operations ● Direct formula entry lets you enter problems just as you write them ● Three parentheses levels and four levels of pending operations ● Decimal/hexadecimal system conversion key ● Statistical calculations with statistical mode (STAT), number of samples, mean/, standard deviation, enter data/correct data (DATA/CD) keys ● Independently accessible memory ● DEG/RAD/GRAD selector key ● Degree/minute/second conversion key ● Auto Power-Off conserves power ● Power-saving FEM liquid-crystal display has 8-digit mantissa and 2-digit exponent

CLOSEOUT PRICE

EL-827

Mfr. sugg. ret.
19.95

**Elek-Tek Price
10.00**

Business Card-Sized 8-Digit Basic Calculator with Electronic Musical Keyboard
● Eleven distinct musical tones (la, si, do, re, mi, fa, sol, la, si, do, re) to (optionally) accompany entry of numbers ● Independently accessible 3-key memory in conjunction with Memory Safe-Guard™, can be used to store simple tunes ● One-touch percent key ● Constant, power, reciprocal, and chain calculations ● Operates on 2 batteries (supplied) ● Automatic Power-Off feature preserves battery life ● Comes with its own attractive wallet

EL-329

Mfr. sugg. ret.
16.95

**Elek-Tek Price
14.00**

**"THIN MAN"™ METRIC CONVERTER
Wallet-sized 8-digit basic calculator with built-in metric coversions**
' In addition to the 4-basic arithmetic functions, this easy-to-read liquid crystal display calculator will perform 34 conversions between U.S. measurements and the metric system with one touch of a key ● Independently accessible 2-key memory ● One-touch percent key for fast add-on/discount calculations ● Automatic Power Off (APO)™ ● Square root key ● $2\frac{7}{16}''$(W) × $\frac{9}{32}''$(H) × $4\frac{21}{32}''$(D)

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SHARP

EL-1193

Mfr. sugg. ret.
99.95

**Elek-Tek Price
55.00**

Sleek, 10-digit desk-top print/display, AC/DC powered and 2-color print out.
● Full print out of 10 numerals with punctuation marks on standard size paper roll ● Negative numbers printed in red are clearly identified ● Easy-to-read 10-digit bright green display ● Independently accessible 4-key memory ● Add-bar/subtract key-top design to minimize human error ● Non-add/sub-total key ● Fixed decimal (3-2-0), constant (K), and add (A) operating modes ● One-touch percent key ● Power, reciprocal and chain calculations ● Keyboard design minimizes likelihood of entry errors ● Power is provided by 4 "AA" batteries or optional AC adaptor ● Includes dust cover and paper roll ● 7 1/16"(W) × 2"(H) × 8 3/16"(D)
EA 760R Black Ink Roller **2.50**
EA 761R Red Ink Roller **2.50**

EL-1192

Mfr. sugg. ret.
69.95

**Elek-Tek Price
45.00**

Sleek, 10-digit desk-top print/display, AC/DC powered.
● Full print-out of 10 numerals and 2 symbols on standard size paper roll ● Easy-to-read 10-digit liquid crystal display ● Operates in non-print (display only) ● Independently accessible 4-key memory ● Add-bar/subtract key-top design to minimize human error ● Non-add/sub-total key ● Fixed decimal (3-2-0), constant (K), and add (A) operating modes ● One-touch percent key ● Power, reciprocal and chain calculations ● Keyboard design minimizes likelihood of entry errors ● Power is provided by 4 "AA" batteries or optional AC adaptor ● Includes dust cover and paper roll ● 7 1/16"(W) × 2"(H) × 8 3/16"(D)
EA 730R Ink Roller **2.50**

EL-2188

Mfr. sugg. ret.
119.95

**Elek-Tek Price
78.00**

Compact desk top print/display 12-digit calculator prints 2.5 lines per second.
● Full print-out of 12 numerals with punctuation marks on standard-size paper roll ● Operates in non-print (display only) ● Easy-to-read 12-digit display ● Keyboard design minimizes likelihood of entry errors ● Independent 4-key memory ● Item counter totals number of entries ● Floating and fixed decimal (3-2-0) operation modes ● Constant (K) and add mode (A) ● One-touch percent key ● Operates on ordinary current
EA 741R Ink Roller **2.50**

EL-1188S

Mfr. sugg. ret.
49.95

**Elek-Tek Price
34.00**

Hand-held print/display 10-digit calculator
● Full print-out of 10 numerals and symbols on plain paper tape ● Built-in paper holder allows for greater portability ● Easy-to-read 10-digit LCD ● Independently accessible 3-key memory ● Item counter key totals number of entries ● Comes with soft case and 4 paper rolls
EA 1188P 5 roll pack of paper **1.75**
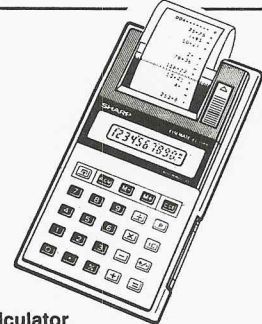
EL-620

Mfr. sugg. ret.
69.95

**Elek-Tek Price
49.00**

Hand-held 8-digit basic calculator with voice-synthesized announcements.
● Compact and lightweight voice-synthesized calculator tells the computation being performed ● At the depression of a key, the voice tells the numerical figures, point and the 4 mathematical functions. Other functions are indicated by various beep sounds. ● In long figure answers, there is the optional selection of voice announcement for "hundreds," "thousands," and "millions." ● Basic 4-function calculator with easy-to-read 8-digit liquid crystal display ● Automatic Power Off (APO)™ and Memory Safe Guard™
● 3 1/32"(H) × 7/16"(W) × 5 21/32"(D)
Optional AC adapter **4.50**

EL-640

Mfr. sugg. ret.
99.95

**Elek-Tek Price
75.00**

TALKING CLOCK/CALCULATOR COMBINATION
● Basic 4-function calculator with easy-to-read 8-digit LCD ● Voice announcement by 3 digits (hundreds, thousands, millions) or digit by digit ● Announces the year/month/day of the week ● Automatic time announcement on the hour ● Daily "melody" alarm with 10 and 5 minute pre-reminding ● Count-down timer with melody to remember meetings and appointments ● AC/DC operation with 4 "AA" batteries (included)
Optional AC Adapter **4.50**
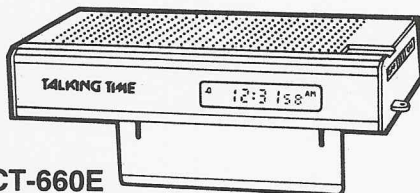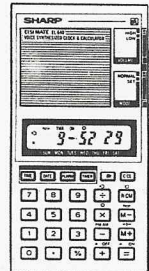
CT-660E

Mfr. sugg. ret.
89.95

**Elek-Tek Price
50.00**

Sharp's Pocket Size "Talking Time" Digital Clock adds voice announcement and melody to its alarm.
● Non-stop readout of hour/minutes/seconds, AM and PM ● Alarm setting and timer function ● Stopwatch announces standard/accumulated elapsed time measurement ● Easy-to-read LCD readout plus: 1) manual time announcement—hour and minutes, 2) automatic time announcement—every 30 minutes, 3) alarm with voice and melody, 4) snooze function 5 and 10 minutes after alarm, 5) timer with automatic elapsed time every 1, 5, or 30 minutes ● Batteries and wrist strap included

EL-7001

Mfr. sugg. ret.
129.00

**Elek-Tek Price
90.00**

Compact Memowriter with 40-word Memories
The convenience of a typewriter and a print/display calculator in a handheld size. Writes memos with calculations included, or calculates with labels and comments. Features include typewriter-like key arrangement, repeat print function, 10-digit LCD dot matrix display, 40-word memories (15 characters or 7 characters + 10 numerals), memory safeguard (protects all stored data), automatic power-off. Includes NI-Cad battery, AC adaptor/charger, soft case and paper roll.
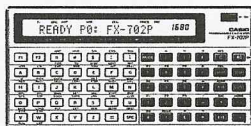EA 7000P 5 roll pack of paper **1.75**
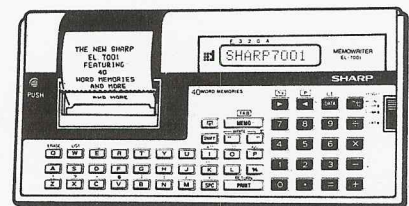
CASIO.

Mfr. sugg. ret.
199.95

**Elek-Tek Price
125.00**

FX-702P

HAND HELD PERSONAL COMPUTER
● Uses BASIC program language ● Ultra-high speed processing - 10 times faster than any standard system ● 1680 Program Steps Maximum ● 226 Memories Maximum ● Easy to use 65-key keyboard with simple key command ● Incorporates 55 different operational functions ● Effective editing through three corsor shift keys ● Single-touch display command lists program and variables list to insure easy checking of memory contents ● Subroutine — 10 levels, FOR: NEXT loop — 8 levels, numericals value — 10 levels, calculation elements — 20 levels ● 10-digit mantina, 2-digit exponential LCD display, 20-digit dot matrix ● Power Source — 2 lithium batteries (included) ● Auto Power Off ● ⅝″ × 6½″ × 3¼″ ● Weight: 6.3 oz. (incl. batteries)

DL 2032B Lithium Battery **2.50**
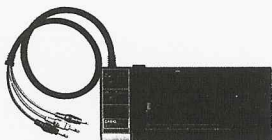
Mfr. sugg. ret.
99.95

**Elek-Tek Price
67.00**
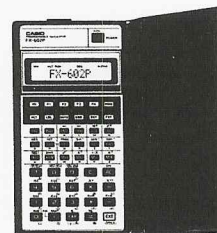
FX-602P

ALPHANUMERIC PROGRAMMABLE SCIENTIFIC
● 10-Digit Dot Matrix LCD clearly displays the 86 available characters, including upper and lower case alpha, numbers, symbols, and some special characters ● Programming steps and addressable memories can be allocated from 32 steps with 88 memories to 512 steps with 22 memories ● Expand your power by storing programs or data via the FA-2 cassette interface ● Includes 2 lithium batteries, carry case and program library

Mfr. sugg. ret.
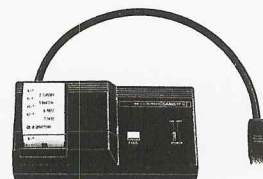49.95

**Elek-Tek Price
40.00**

FA-2

CASSETTE INTERFACE
● Connects a standard cassette recorder to the FX-602P or FX-72P calculators for storage of programs or data ● Can also be "coded" to synthesize music and played back through the recorder (recorder not included)

Mfr. sugg. ret.
89.95

**Elek-Tek Price
72.00**

FP-10

MINI-PRINTER FOR HAND HELD COMPUTER
● Printing method: discharge printing method (non-impact type) ● Number of print positions: 20 ● Printing speed: 2 lines per second ● Roll paper: paper width 35mm, roll diameter 26.5mm or less, metalized recording paper ● Power supply: DC-4AA batteries, AC-with AC adaptor (AD4150), rechargeable pack ● **FP-10 Capabilities with FX-702P** ● Manual printing ● Printing of memory list ● Printing of memory list & single program list ● Simultaneous printing of all programs and memories ● Printing of operation results using a program ● 1¾″ × 6¼″ × 3¼″ ● Weight: 13.1 oz. (incl. batteries)

CMP 36-5 roll pack of paper **5.00**

Mfr. sugg. ret.
29.95

**Elek-Tek Price
24.00**
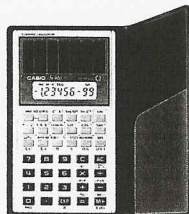
FX-900

8 DIGIT LCD SOLAR SCIENTIFIC CALCULATOR
● Four basic calculations, percentage calculations ● Rapid responses to 41 scientific functions ● True algebraic logic — the formula can be entered in the same sequence as written ● 15 pairs of parenthesis up to 5 levels for reading & processing as in the math expression ● Progressive standard deviations contribute to swift handling of statistics ● Computes in fractions ● Fluent conversion between polar rectangular coordinates ● Powered by a silicone solar battery. Works perfectly in normal roomlight, daylight, sunlight, lamplight ● Never need to replace a battery again ● Full floating decimal point with underflow ● "Strategies for Scientific Calculating" included ● 7/32″ × 2⅞″ × 5″ ● Weight: 2.7 oz.

Mfr. sugg. ret.
19.95

**Elek-Tek Price
16.00**

FX-82

8 DIGIT LCD HAND HELD SCIENTIFIC CALCULATOR
● Four basic calculations ● Rapid responses to 38 scientific functions ● True algebraic logic — for complex calculations. The keys are operated in the same sequence as the written formula ● Parenthesis calculations up to 6 levels are quick and simple ● Auto power-off function after 7 minutes saves non-operating power ● Liquid crystal clear 8-digit display, also capable of 6 + 2 digits for exponents (up to $10^{\pm 99}$) ● The additional convenience of standard deviations and an independent memory ● 3-Mode angular measurements (DEG, RAD, GRA) ● Full floating decimal point with underflow ● "Strategies for Scientific Calculating" included ● ¾″ × 3″ × 5⅞″ ● Weight: 4.8 oz. (incl. batteries)

CALL (800) 621-1269   ILLINOIS (312) 677-7660

CP-20

Mfr. sugg. ret.
59.95

Elek-Tek Price
47.00

10 DIGIT LCD SHIRT POCKET PRINT/DISPLAY CLOCK/CALCULATOR WITH ALARM

● Four basic calculations, constants for $+/-/×/÷$, percentage calculations, including add-on's/discounts, mark-ups & date calculations ● **Clock function:** Readout: 12 hour system - digital display of hour, minute, second, & AM/PM. Printout: hour, minute, second & PM ● Alarm function ● **Calendar function:** January 1, 1901 to December 31, 2099. Readout - year, month, date, & day of the week. Printout - year, month, date & day of the week. Automatic full month calendar printing ● 10-Digit LCD display ● Power source: Built-in Ni-Cad rechargeable battery pack. Charger included ● ¾" × 2⅞" × 5" ● Weight: 5.9 oz

TRP 16-5 roll pack of paper **2.00**
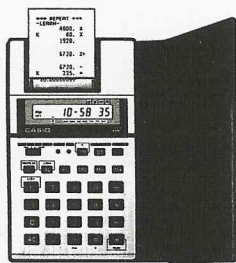
FR1211

Mfr. sugg. ret.
**99.00**

Elek-Tek Price
74.00

12-DIGIT PRINTER DISPLAY CALCULATOR

● 12 digits (24-digit approximations) ● Bright green digitron display ● 4-key independent memory ● Full decimal system: floating, fixed (0-6) with round-off or cut-off ● Add-mode: percentages, discounts, increase/decrease calculations, repeat function ● Positive key action ● Subtotal/total/grand total, item counter ● AC ● Uses standard paper (1 roll included) and "PR72" ink roller (included) ● 3" × 7¾" × 10¼" ● Weight: 2.9 lbs

MC-34

**Mfr. sugg. ret.**
16.95

Elek-Tek Price
14.00
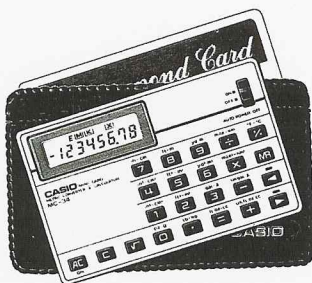
8 DIGIT LCD CREDIT CARD METRIC CONVERTER

● 34 Pre-programmed metric conversions: distances, weights, areas, volumes and temperatures ● Four basic functions, constant, percent, square root ● Direct access memory ● Power source: DC only 2 silver oxide batteries (included) ● ⁵⁄₃₂" × 3¼" × 2⅛" ● Weight: 1.2 oz. (incl. batteries)

HR-12

Mfr. sugg. ret.
49.95

**Elek-Tek Price**
40.00
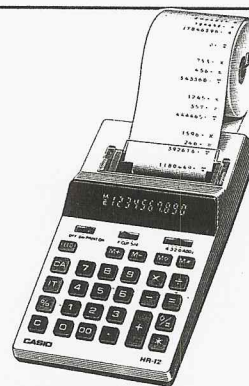
10 DIGIT DIGITRON HAND HELD PRINT/DISPLAY CALCULATOR

● Four basic functions, percentage calculation ● Four key independent memory available for complex totalling ● Fast repetitive calculation for $×/÷$ with use of the constant function ● Repeat function for additions/subtraction ● Convenient answer-printing function — if the unit is being used in the display mode, any answer can be printed at a touch of a key ● Full decimal system— floating; fixed (0-4) with cut-off, round-off; ADD mode ● Uses plain paper ● Dual power source — 4 "AA" batteries (included) or AC adaptor (optional) ● 1⅞" × 4" × 7¼" ● Weight: 18 oz. (incl. batteries)

AD 4150 AC Adaptor **6.00**

FX-78

Mfr. sugg. ret.
29.95

Elek-Tek Price
24.00
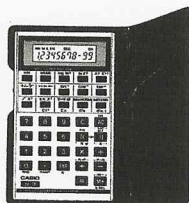
10 DIGIT LCD CREDIT CARD SCIENTIFIC CALCULATOR

● Rapid responses to 41 scientific functions ● True algebraic logic ● Parenthesis calculations up to 6 levels ● Independent memory and constants for $+/-/×/÷/x^y/x^{1/y}$ ● Automatic cut-off switch saves battery and preserves memory ● Keyboard features RND (round), RAN# (random number), FIX and SCI keys ● Fluent conversion between polar rectangular coordinates ● Easy statistics through standard deviation function ● Crisp, liquid crystal 10-digit display also capable of exponents up to $10^{±99}$ through 8 + 2 digits ● 3-Mode angular measurements (DEG, RAD, GRA) ● "Strategies for Scientific Calculating" included ● ³⁄₁₆" × 2⅛" × 3⅝" ● Weight: 1.5 oz. (incl. batteries)

FX8100

Mfr. sugg. ret.
39.95

Elek-Tek Price
32.00

SCIENTIFIC CALCULATOR CALENDAR

● 10-digit ● 8-digit mantissa with 2-digit exponents ● 46 scientific functions ● Independent memory ● 5 level parentheses ● *Standard deviation* ● True algebraic logic ● Constant for 6 functions ● Percentages, fractions ● Hour, minute, second, AM/PM ● Time tone every hour on the hour ● Year, month, date, day ● Stopwatch ● Calendar for 1976 to 1999 ● Alarm and countdown alarm ● Colorful packaging allows displaying calculator ● Includes *"Strategies for Scientific Calculating"* guide ● 2 "G10" silver oxide batteries included ● ¼" × 2¾" × 5 ⅛" ● *Weight: 2.8 oz.*

CASIOTONE

CT-701

CT-1000P

MT-70

MT-40

CT-701

With the Casiotone 701 you have an instrument that practically conducts your fingers into musical skill. It has two storage methods—a bar code reader that picks up scores from a special musical code card, and a manual memory for storage from the keyboard. Casio's original MS function makes music memorization easy for everyone. Just pass the tip of the MS-1 Bar Code Reader over the bar coded musical score, and note pitch, duration and chords can be automatically read and stored. Melody guide indicators show you which keys to press. Melody guide indicators on the keyboard light up in sequence with the stored music. Even a person who cannot read a musical score can play easily by pressing the keys as instructed by this indicator. One Key Play lets you play a melody with a single finger. Auto-Play function broadens your musical world. Stored music can be played back automatically with rhythm, bass and arpeggio accompaniment. You can adlib along with the music or play the melody using another instrument with auto-accompaniment only. 20 preset sounds. From classical instrument sounds to the unique original sounds. . .all natural, clear and striking. 16 crisp rhythms for any type of music. Rock, samba, disco . . . any of 16 auto-rhythms can be yours at a touch. Casio Chord system gives you auto-accompaniment with just one finger. Even people without a knowledge of chord playing can combine chords, bass and arpeggio with the rhythm and perform auto-accompaniment with just one finger. Also there is a selection of 20 preset sounds to give you the variety of a band on one keyboard ● 4 vibratos and a sustain effects give delicate sound variations ● 61-key, 8-note polyphonic keyboard covers five octaves ● Pitch control allows simple tuning ● Generous connections for various types of external equipment ● Casio's unique Music Setter reads specially bar-coded musical scores and memorizes musical pitch, length and chord. Lightly brush the tip of the Music Setter from left to right over a bar-coded line on the sheet ● Manual Memory: Original compositions and favorite melodies input with 5 program keys and the keyboard ● 345 pitch steps and 201 chord steps can be input ● Automatic Melody Performance: Performance of memorized melodies along with genuine rhythm and bass accompaniment at one touch of a key ● Melody Guide: Even if you can't read music, you'll be playing in no time at all ● Melody Guide Indicators light up in sequence of play to teach you which keys to press ● One-Key Play: Anyone can enjoy true-to-life performance with just one finger on pre-programmed compositions ● Casio Chord: For chord, bass and arpeggio accompaniment linked to rhythms with one finger ● Chord Indicators: Automatically distinguish the depressed chord and display chord name by LED ● 20 Beautiful Sounds, Authentic 61-key Keyboard. Everything from acoustic instruments to electronic sounds. With a 5-octave range and 8-note polyphony ● 16 Auto Rhythms Match All Sorts of Music. With one touch, select the perfect backup rhythm, from 7 kinds of percussion and more. 10 linking Fill-Ins and sound effects as well ● Vibrato & Sustain Effects for Performance Finish. Casiotone 701 has 4 vibratos, and sustain ● Output Jacks for Amplifier, External Speakers. Connect external speakers and amp for Casiotone 701's full impact at home concerts or on stage Dimensions: 958mmW × 341.5mmD × 127.5mmH including projections Weight: 12.5kg
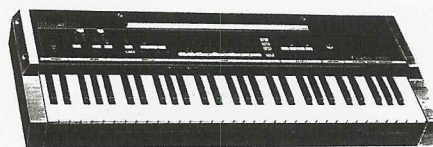
	Mfr. sugg. ret.		Elek-Tek Price
Elek-Tek Price	999.00		
700.00	CS-2	Stand	63.00
	HC-6	Hard Carry Case	100.00

CT-1000P

The Casiotone 1000P opens the door to a scintillating new world of sound creations. Easy programming of 1000 sounds and storage in 10 memories. Programmable arpeggio patterns for background or as a sequencer. 10 beautiful preset sounds—the piano, jazz organ, vibraphone, etc. can be selected with one touch. Also, since a 16-step up/down arpeggio pattern is preset, music with a professional background can be enjoyed. Vibrato and sustain provide interesting sound variations. The 61-key, 5-octave keyboard can be split into a 3-octave upper keyboard and a 2-octave lower keyboard with one touch ● Compact design with built-in speaker ● Generous connections for various types of external equipment

	Mfr. sugg. ret.		Elek-Tek Price
Elek-Tek Price	699.00		
500.00	CS-2	Stand	63.00
	HC-7	Hard Carry Case	100.00

MT-70

49-key Electronic Keyboard with Bar Code Reader ● Features 49-key keyboard ● Produces 8-note polyphonic chords ● Melody Selector Memory Function: allows storage of note, pitch, duration, and chords by use of the Bar Code Reader (included) and bar code music (included) ● Manual memory function: allows storage of 345 notes and/or 201 chords of music to be automatically replayed ● Melody guide: indicators light up in sequence of play to teach which keys to play ● Creates 20 different instrumental sounds including: pipe organ, brilliant organ, diapason, woodwind, tibia, full tibias, flute, piccolo, jazz organ 1, jazz organ 2, piano, electric piano, vibraphone, marimba, celesta, chime, oboe, bassoon, funky, wah bass ● Built-in vibrato and sustain ● 10 rhythms ● Built-in speaker ● Pitch control ● Connections provided for external equipment and systems ● 2-way power supply: DC power by 5 "D" batteries (included) or converts to AC power with optional adaptor "AD1" ● Ebony face panel with ivory body ● 25" × 7½" × 2¾" ● Weight 6.5 lbs

			Elek-Tek Price
	CAD1	AC adaptor	8.50
Elek-Tek Price	Mfr. sugg. ret.		
300.00	399.50		

MT-40

● Features 37-key keyboard ● Produces 8-note polyphonic chords ● 22 preset musical sounds including: electric piano, banjo, guitar, harpsichord, xylophone, celesta, glockenspiel, organ, accordion, pipe organ, oriental pipe, brass, cello, synth, violin, trumpet, funny fuzz, string ensemble, clarinet, flute, recorder and folk flute ● Four-tone memory ● Vibrato and sustain special effects ● Six preset rhythms: waltz, samba, swing, slow rock, pop and rock ● Rhythm start/stop, synchro start, tempo control, rhythm/bass volume control and tempo indicator ● Pitch control ● Built-in speaker ● Ivory body color ● Connections provided for external equipment and systems ● 3-way AC/DC power source provided by 5 "D" batteries (included) ● Converts to AC power with optional AC adaptor "AD1" ● 2⁷⁄₁₆"H × 23"W × 7"D ● Weight 4.9 lbs.

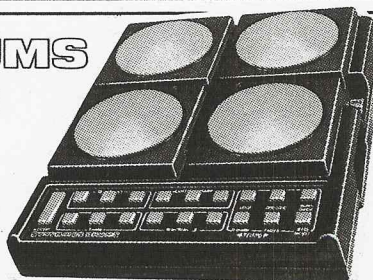|	Mfr. sugg. ret.		Elek-Tek Price
Elek-Tek Price	199.50		
150.00	PC2	Hard Carrying Case	19.00
	AD1	AC adaptor	8.50

SYNSONICS™ DRUMS
SYNSONICS™ DRUMS
SYNSONICS™ DRUMS

Elek-Tek Price $99.00

MATTEL ELECTRONICS®

You'll break the sound barrier and create a new environment of rhythm with new SYNSONICS™ Drums. You'll generate bass, snare, tom tom and cymbal effects. And you'll use the auto-controls and playback on three separate memories to develop rhythms and beats you never dreamed possible. All from a battery-operated electronic wonder you hook up to your stereo system or headphones. It's the SYNSONICS™ Drums by MATTEL ELECTRONICS.

6 C Size Batteries and drumsticks not included.

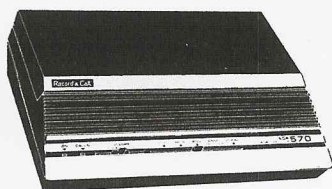**CALL (800) 621-1269**   **ILLINOIS (312) 677-7660**

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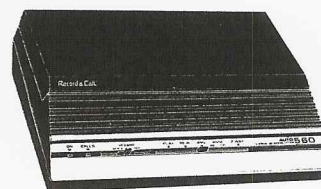
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Vox
570

Auto
560

REMOTE / VOX
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ELECTRONIC ONE-TOUCH CONTROL

FEATURES:

EXCLUSIVE REMOTE COMMAND KEY

Retrieve, Repeat, Erase Messages from anywhere in the world. You select your own code to activate machine.

ELECTRONIC VOX TO SELECT LENGTH OF INCOMING CALLS

● Enables the caller to speak as long as they wish without being cut off ● Sets a time limit on incoming calls of up to 200 seconds ● Announce only. The 580 can be programmed to play your outgoing announcement and not record any incoming calls.

● Electronic vox to select length of incoming calls ● Twin cassettes ● Silent call screening ● Electronic LED digital display ● Fast forward scan ● Variable length outgoing announcement ● Electronic rapid erase ● Electronic rings control ● Built-in telephone line jacks.

5AZ4311	Extra Remote Key	28.00
5HF8531	Leaderless Incoming/Outgoing Dual Cassette	4.00

VOX
570

NEW
FSC*
Fingertip
Slide
Control

Mfr. sugg. ret.
239.95

Elek-Tek Price
140.00

FEATURES:

VOICE WITH VOX ACTUATION

Records even the longest, most detailed messages. VOX will sense the absense of voice when the caller stops speaking and automatically hang up. However, you still have the option of switching to 30-second fixed time if you desire. If you select not to receive any messages at all, simply flip a switch and only your outgoing announcement will be played to the caller.

● Twin cassette system ● Rings adjust ● Silent call screening ● Announce only ● Message light ● Power light ● Rapid erase ● Fast Forward ● Pause control ● Two-way conversation record ● Built-in telephone line jacks.

AUTO
560

NEW
FSC*
Fingertip
Slide
Control

Mfr. sugg. ret.
179.95

Elek-Tek Price
100.00

FEATURES:

MESSAGE TIME SELECTOR

A special feature of the AUTO 560 allows you to select the length of your incoming calls. You can control your calls from either 20 or 40 seconds, or you may select to not receive any messages at all. Simply flip a switch and the 560 will control the length of your messages or play only your outgoing announcement and not record any incoming calls.

● Twin cassette system ● Rings adjust ● Silent call screening ● Announce only ● Message light ● Power Light ● Rapid Erase ● Fast forward ● Pause control ● Two-way conversation record ● Built-in telephone line jacks.

ACCEPTS UP TO 90 - 20 SECOND MESSAGES

Model 560/570 Accessories		
Leaderless Incoming Message Cassette		
5HF8533	30 min.	4.00
Endless Loop Outgoing Message Cassette		
5HF8536	20. sec.	6.00
5HF8537	30 sec.	6.00
5HF8538	45 sec.	6.00
5HF8539	60 sec.	6.00
5HF8540	120 sec.	6.00

MATTEL ELECTRONICS® Intellivision™
Intelligent Television

$220.00
includes Las Vegas Poker
and Blackjack cartridge
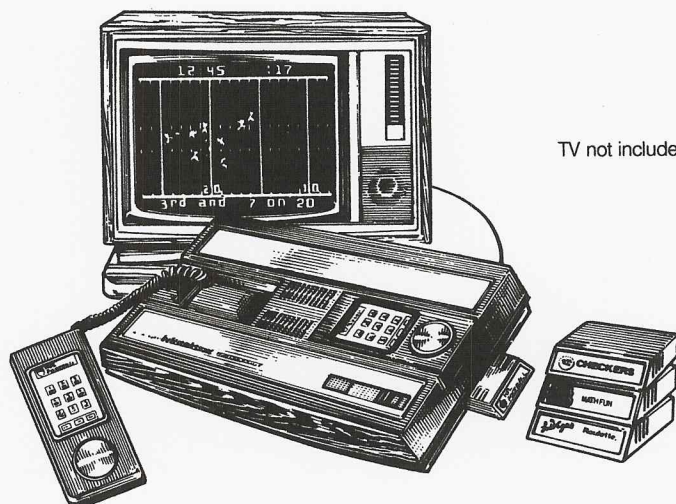
TV not included.

A highly sophisticated 16-bit microprocessor produces a wide variety of sound effects, music, color, and high-level resolution. The two hand controllers are cradled in the top of the lightweight case with cables out of sight when not in use. During game play, four buttons, two on either side of each hand controller, send action commands to the Master Component. Input keys allow players to handle any game situation and a special disc moves objects on the screen in 16 different directions with life-like precision. For use with color TV only. Each game cartridge comes with 2 overlays which fit over the hand controllers. With over 40 different cartridges planned to be available in 1982, IntelliVision offers an almost infinite variety of action—from sports to outer space battle.

These Titles $14.00
- 1118 Las Vegas Roulette
- 1120 Checkers
- 1122 The Electric Company Word Fun
- 2611 Las Vegas Poker and Blackjack
- 2613 The Electric Company Math Fun

These Titles $19.00
- 1119 ABPA Backgammon
- 5301 Frog Bog
- 5303 Royal Dealer
- 5304 Reversi

These Titles $22.00
- 1114 NHL Hockey
- 1123 Horse Racing
- 1683 NASL Soccer
- 1814 Tennis
- 1816 PGA Golf
- 3760 Triple Action

These Titles $27.00
- 1113 Auto Racing
- 1121 Armor Battle
- 1817 U.S. Ski Team Skiing
- 1819 Boxing
- 2610 NFL Football
- 2612 Space Battle

- 2614 Major League Battle
- 2615 NBA Basketball
- 3333 PBA Bowling
- 3408 Sub-Hunt
- 3605 Astrosmash
- 3758 Snafu
- 3759 Space Armada

These Titles $32.00
- 1818 Sea Battle
- 5136 Space Hawk
- 5149 Utopia
- 5161 Star Strike
- 5305 Night Stalker

Shipping and handling charges on any game cartridges is $2.00 for the first and 50¢ for each additional

NOW! EXPERIENCE
IntelliVoice™

IntelliVoice Cartridges $35.00 each
- B-17™ Bomber
- Bomb Squad
- Space Spartans
- TRON Solar Sailor

Now Intellivision talks to you. IntelliVoice is an all-new Intellivision feature—a voice synthesis module. It generates human-sounding voices which become an essential part of the game play. You concentrate on the visual action while your IntelliVoice component keeps you aware of depleting energy levels, shield damages, and attacking fighters.

Voices that sound human. IntelliVoice produces voices with personality. All instructions, directions and announcements are crisp and clear. IntelliVoice is your computer voice partner in game play.

Not just effects. Voices generated by IntelliVoice give you important game playing data. The IntelliVoice comes in throughout the game, keeping you informed at all times.

Elek-Tek Price
$75.00

Added realism. The IntelliVoice feature adds important new dimensions in realism. For example, IntelliVoice unit simply plugs into the cartridge outlet on your IntelliVision Master Component. IntelliVoice cartridges simply plug into the IntelliVoice unit.
Special IntelliVoice cartridges are required to operate the module and add human voice to game play. (Regular IntelliVision cartridges may also be plugged directly into the IntelliVoice unit and will give you game play without voice, as if they were plugged directly into the Master Component.) Look for these specially marked game cartridges with the IntelliVoice feature wherever IntelliVision is sold.
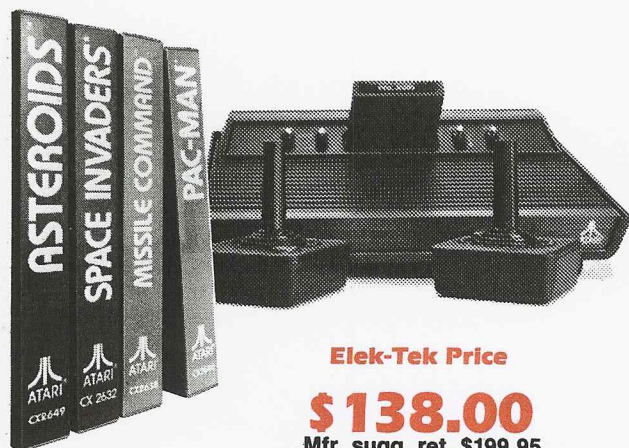
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includes combat cartridge
joysticks and paddle controllers

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These Titles $10.00   Mfr. sugg. ret. $12.95
or 2 for $19.00

CX2618 3-D Tic Tac Toe (J)	CX2627 Human Cannonball (J)
CX2624 Basketball (J)	CX2639 Othello (J)
CX2628 Bowling (J)	CX2629 Sky Diver (J)
CX2664 Brain Games (K)	CX2606 Slot Racers (J)
CX2636 Checkers (P)	CX2616 Soccer (J)
CX2625 Football (J)	CX2604 Space War (J)
CX2634 Golf (J)	CX2612 Street Racer (P)
CX2623 Home Run (J)	CX2641 Surround (J)

These Titles $25.00   Mfr. sugg. ret. $31.95

CX2613 Adventure (J)	CX2608 Super Breakout (P)
CX2649 Asteroids (J)	CX2631 Superman (J)
CX2650 Berserk (J)	CX2648 Video Pinball (J)
CX2638 Missile Command (J)	CX2610 Warlords (P)
CX2632 Space Invaders (J)	CX2655 Yars Revenge (J)

These Titles $29.00   Mfr. sugg. ret. $37.95

CX2656 Adventure 1 (NEW)	CX2640 Foxbat (NEW)
CX2657 Adventure 2 (NEW)	CX2646 Pac-Man (J)
CX2609 Defender (J)	

These Titles $33.00   Mfr. sugg. ret. $39.95

CX2611 Indy 500
CX2660 Star Raiders (J)

These Titles $18.00   Mfr. sugg. ret. $22.95

CX2602 Air-Sea Battle (J)	CX2637 Dodge 'Em (J)
CX2622 Breakout (P)	CX2662 Hangman (J)
CX2607 Canyon Bomber (P)	CX2658 Math Grand Prix (J)
CX2643 Code Breaker (K)	CX2605 Outlaw (J)
CX2642 Concentration (K)	CX2621 Video Olympics (P)

These Titles $21.00   Mfg. sugg. ret. $26.95

CX2617 Backgammon (P)	CX2615 Demons to Diamond (P)
CX2620 Basic Programming (K)	CX2654 Haunted House (J)
CX2652 Casino (P)	CX2635 Maze Craze (J)
CX2645 Chess (J)	CX2633 Night Driver (P)
CX2630 Circus (P)	

Accessories

CX-30	Paddle Controllers (Pair)	12.00
CX-50	Keyboard Controller (Pair)	18.00
CX-40	Joystick Controller (Single)	8.00
CO-10472	AC Adapter	5.50
CO-10325	Switch Box	5.50
Org 500	Modular Cartridge Library	12.00
Org 700	VCS/Cart. Storage Center	32.00

Shipping and handling charges on any game cartridges is $2.00 for the first and 50¢ for each additional

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ACTIVISION

Super Game Cartridges for your ATARI® Video Computer System™

These Titles $18.00   Mfr. sugg. ret. $22.95

AG002 Boxing (J)
AG001 Dragster (J)
AG004 Fishing Derby (J)
AG009 Freeway (J)
AG010 Kaboom (P)
AG008 Laser Blast (J)
AG005 Skiing (J)
AG011 Stampede (J)
AG007 Tennis (J)

These Titles $25.00   Mfr. sugg. ret. $31.95

AX013 Barnstorming (J)
AX006 Bridge (J)
AX015 Chopper Command (J)
AX014 Grand Prix (J)
AX012 Ice Hockey (J)
AX018 Pitfall (J)
AX016 Star Master (J)

J/Joystick Controller
K/Keyboard Controller
P/Paddle Controller

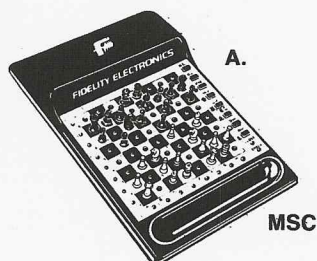Atari® and Video Computer System™ are trademarks of Atari, Inc.

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All goods subject to availability and guaranteed by respective manufacturers.

28

by FIDELITY

A.

MSC

B.

SC6

C.

SC9

D.

CAC
CB9
CB16

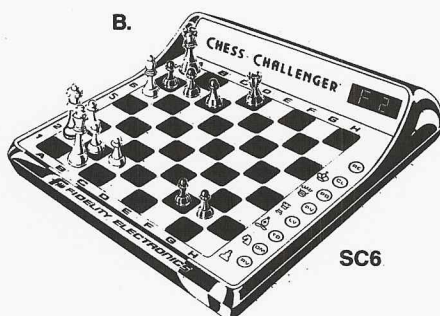### A. Mini Sensory Chess Challenger

The battery-operated, computerized chess opponent that is always ready, willing, and very able to play, any time — anywhere. Advanced sensory playboard automatically recognizes and records your every move. Brightly lit LED's and beep tone graphically and audibly inform you of the computer's response. Infinite levels of play are changeable during the game. Play black or white. Problem mode lets you set up piece positions to work out problems. Also permits position verification at any time during the game. Replaceable plug-in modules expand its capability almost without limit as technology advances. Features include compact, impact-resistant plastic housing. 100% solid-state. Optional AC adapter available.

Mfr. Sugg. Ret. 60.00
Elek-Tek Price 42.00

B. Sensory Chess Challenger "6"

This sophisticated Challenger® can help you improve your chess game. Features 6 levels of playing difficulty (beginner to advanced intermediate), as programmed by Fidelity Electronics' premier software designers and engineers. Through its "sensory playing surface," all game moves are automatically sensed and entered into the computer's "brain." The Sensory "6" uses cartridge modules to facilitate future upgrading when available. Random computer responses make almost every game different.

Mfr. Sugg. Ret. 115.00
Elek-Tek Price 89.00
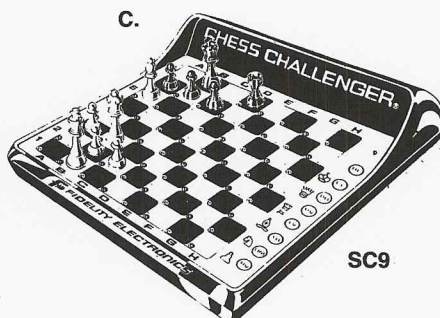
C. Sensory Chess Challenger "9"

A tournament winner in its own right, Sensory "9" is available at a very affordable price. Nine different levels of playing difficulty can be selected to match the skills of any player, novice or advanced. Sensory "9" features Fidelity's Sensory playing surface that automatically senses your every move and enters it into the computer's memory while brightly lit LED's graphically illustrate the computer's next move. And Sensory "9" uses cartridge modules to facilitate future upgrading when available.

Mfr. Sugg. Ret. 165.00
Elek-Tek Price 130.00
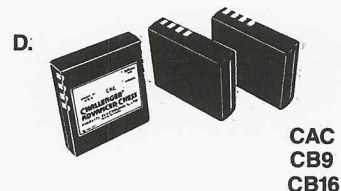
D. Program Cartridges

Cartridges now available greatly expand the capabilities of your Challenger®, keeping it always up to date and excitingly new.

ADVANCED CHESS PROGRAM 1 (Model CAC) for the Mini Sensory Chess Challenger®. The advanced program includes: Six levels of play; thinks on its opponent's time for faster response; move suggestion feature; takeback-a-move feature; over 100 book openings; and more.

Mfr. Sugg. Ret. 39.00
Elek-Tek Price 24.00

BOOK OPENINGS 1 (Model CB9) for the Sensory Chess Challenger® "9". Contains 8,160 book opening moves, all of which are unique. This book module has 381 lines to an average depth of 30 ply, so the effective number of positions in this book is 11,430.

Mfr. Sugg. Ret. 78.00
Elek-Tek Price 48.00

BOOK OPENINGS 2 (Model CB16) for the Sensory Chess Challenger® "9". Contains 16,100 positions, all of which are unique. Contains 1,245 lines to an average depth of 20 ply, so that the effective number of positions in this book module is 26,900.

Mfr. Sugg. Ret. 120.00
Elek-Tek Price 75.00

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by FIDELITY

A. Champion Sensory Chess Challenger

The undisputed tournament winner on two continents boasts the strongest chess program on the commercial market. Plus it "sees" every move and talks with a 50-word vocabulary in one of four languages. Infinite levels of play. Thinks on its opponent's time for faster response. Chess clock count down mode allows separate game times to be set for you and the computer. Large repertoire of book openings. Duplicates 64 of the World's greatest games. Take back feature reverses up to 15 moves or 30 half-moves. Special mate mode solves mating problems with amazing speed. Play mode allows two humans to play chess on its sensory playing surface with the computer monitoring play. Features walnut housing, hand-carved magnetized chess pieces. 100% solid-state.

Mfr. Sugg. Ret. **375.00**
**Elek-Tek Price** **300.00**

A.
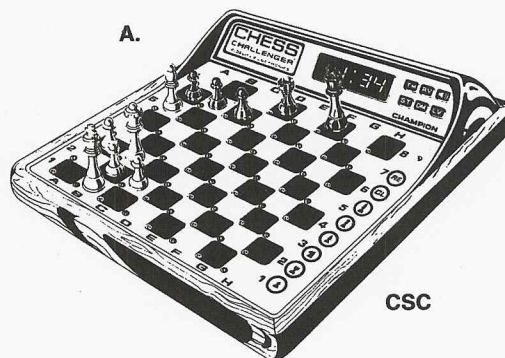
CSC

B. Voice Bridge Challenger

You'll never again have to miss a game of bridge…even if you're alone! Bids and plays much like a human. As your partner—plays one hand; as your opponents — plays 2 hands; it's you against the Computer — plays the other three hands; or let Challenger replay all four hands while you watch. Use well-known conventions such as Stayman, Blackwood, Gerber, Baron, etc., during bidding. Also incorporates essential features of American Standard, ACOL, and various European bidding systems. Solid hardwood housing, three felt playing fields, two decks of custom playing cards, and deluxe carrying case. 100% solid-state.

Mfr. Sugg. Ret. **350.00**
Elek-Tek Price **270.00**

B.
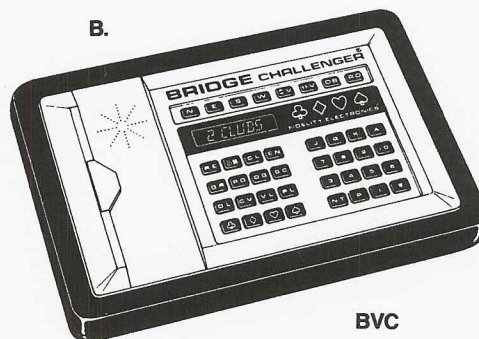
BVC

C. Gin & Cribbage Challenger

The ideal companion for the GIN or CRIBBAGE enthusiast. Play anytime, even if you're alone. Communicates in any one of three languages —English, German or French.

GIN RUMMY

Follows all rules of GIN RUMMY: Recognizes washouts, rejects illegal knocks.

Computer follows approved GIN RUMMY strategy, such as knocking frequently and striving for safe discards.

Play a single game where you may knock with 10 points or less on each deal, or choose among the following options: Hollywood (3 games in progress at once), Oklahoma (the up-card determines the maximum legal knock), GIN only.

Computer keeps score of all games, and maintains a cumulative total of points won or lost when you start the next game(s).

CRIBBAGE

Follows all rules of CRIBBAGE: Game ends immediately when one player scores 121 points, rejects any play that would exceed a total of 31.

Computer follows approved CRIBBAGE strategy, such as selecting appropriate cards for the crib and striving to score points during the play.

Computer displays each scoring play or holding, keeps score of the game, and maintains a cumulative total of games won.

Select the "skunk" scoring option if you wish.

100% solid state. Solid hardwood housing, deluxe carrying case. Includes deck of custom playing cards, felt playing field, plug-in AC transformer.
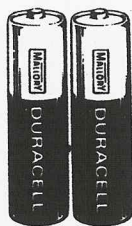
Mfg. Sugg. Ret. **175.00**
Elek-Tek Price **135.00**

C.

GIN

DURACELL®

Alkaline Batteries

9-Volt
C Size-2 Pack
D Size-2 Pack
AA Size-2 Pack
AAA Size-2 Pack
N Size-2 Pack

Elek-Tek Price
1.50 each

Mfr. sugg. ret.
2.20-2.85

NICKEL-CADMIUM Rechargeable Batteries

	Mfr. List	Elek-Tek Price
9-Volt	9.76	7.80
C Size-2 Pack	9.04	7.20
AA Size-2 Pack	7.74	6.20
RECHARGER	23.94	19.00
Modular Recharging		
9-Volt w/module	9.99	8.00
C Size-2 Pack w/module	1.50	8.40
D Size-2 Pack w/module	10.50	8.40
AA Size-2 Pack w/module	9.25	7.40
Double Module Battery Charger (Charges 1-4 Batteries)	6.38	5.00

Lithium Batteries

Model Number	Equivalent	Mfr. sugg. Ret.	Elek-Tek Price
DL1620B	CR1620	2.95	2.50
DL2016B	CR2016	2.95	2.50
DL2025B	CR2025	2.95	2.50
DL2032B	CR2032	2.95	2.50
DL2420B	CR2420	2.95	2.50
DL2430B	CR2430	2.95	2.50

Silver Oxide Batteries

Duracell No. Union Carbide Model No.	Maxell Model No.	Bulova Model No.	Elek-Tek Price
D392	SR41W	247	1.85
D393	SR48W	255	1.85
D391	SR1120W	317	1.85
D389	SR1130W	N/A	1.85
D386	SR43W	260	1.85
D357	SR44W	228	2.00

Ask about other sizes not listed

No shipping or handling charges on batteries when purchased with any other items.

EPSON

Elek-Tek stocks and, of course, discounts all Epson printers, computers, accessories, and interfaces.
If interested, please call for most current models and pricing.

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For fast service on VISA or MASTERCARD orders, call during business hours TOLL-FREE (800) 621-1269. In Illinois and outside the Continental U.S.A., call (312) 677-7660. Sorry, no C.O.D. orders or collect calls accepted.

MAIL ORDERS
Please provide us with the following:
- Merchandise ordered and prices
- Include shipping and handling charges (below)
- Address to be shipped to
- Include payment for the full amount

Cashier's checks, money orders, and certified checks will be processed within 24 hours; personal checks are held for two weeks pending clearance. DO NOT SEND CASH! We will promptly acknowledge ordered merchandise which is not in stock for immediate shipment. Make checks payable to ELEK-TEK, Inc.

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Well-rated and financially secure corporations are encouraged to call or write for a credit application to establish a permanent line of credit. Our terms are NET. 30; FOB-Our warehouse (Chicago, IL). All open account orders must be submitted in writing. **Sorry, no verbal Purchase Orders Accepted.**

SHIPPING, HANDLING AND INSURANCE CHARGES
Within the continental United States add $4.00 for the first item ordered, and $1.00 for each additional item ordered, with the following exceptions:
1) Solution books, battery packs and adapters add only 50¢ as an additional item.
2) There are no shipping and handling charges on Duracell products when ordered with any other item.

APO, Alaska, Hawaii, Puerto Rico, Canada:
For shipments to any of these destinations, calculate rates as above and add $4.00.

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We normally ship UPS surface and, therefore, request a street address and not a P.O. Box, when available. P.O. Boxes and destinations not serviced by UPS will be shipped Parcel Post. If other arrangements are preferred, please call in advance.

UPS Blue Label is United Parcel's air service covering most of the continental U.S. Delivery can be expected 2 days after shipment in most cases. If requested, please add:
$ 4 on orders totalling $500 or less
$15 on orders totalling $501 to $1000
$25 on orders totalling $1001 and over
Blue Label is not available in Illinois, Indiana, Iowa, Ohio, Kentucky, Michigan, Minnesota, Tennessee and Wisconsin.
The above Blue Label surcharges apply to calculators and calculator related products only. Please call for Blue Label surcharges on computers and computer related products.

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All ELEK-TEK merchandise is brand new, first quality, complete, and delivered in manufacturers original packaging. Therefore, all sales are final, and no returns will be allowed except for defective merchandise. ELEK-TEK will replace any defective unit within 30 days of purchase (computers, related hardware, Canadian and foreign shipment excluded). After 30 days, the manufacturer's warranty is in effect. Copies of these warranties may be obtained by written request.
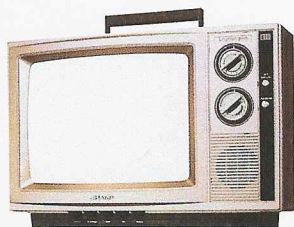
All prices FOB our warehouse; prices subject to change without notice.
All goods subject to availability and guaranteed by respective manufacturers.

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SHARP
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The Picture Lives Up To The Name

13G25
13" Diagonal Portable Color Television

● New Sigma Chassis with 100% IC/Solid State micro-condensed circuitry ● Exclusive Linytron Plus One-Gun In-Line picture tube ● Easy-to-carry portable ● Automatic Fine Tuning-AFT ● Rapid-On picture and sound ● One Button Picture Balance control ● Detachable VHF dipole and UHF loop antennas ● Built-in carrying handle ● U.L. listed

13⅝₂"H × 18¾"W × 15 ²³⁄₃₂"D

Mfr. Sugg. Ret.................395.00
**Elek-Tek Price.........250.00**

5G11
5" Diagonal AC/DC Portable Color Television and VTR Monitor

● Electronic Varactor Tuning for ultra precise channel selection and solid state dependability with 7 year Warranty ● Video and Audio Input/Output Jacks ● Headphone Supplied ● Exclusive Linytron Plus One-Gun In-Line picture tube ● AC/DC operation with supplied AC adaptor and car battery cord or optional rechargeable battery pack BT-11 ● LED channel indicators ● Smoke-tinted screen for glare-free outdoor viewing ● Built-in VHF/UHF telescopic antenna ● Top-mounted molded carrying handle ● U.L. listed

6¹³⁄₃₂"H × 6⁵⁄₁₆"W × 13⁵⁄₃₂"D

Mfr. Sugg. Ret.................449.95
Elek-Tek Price.........315.00
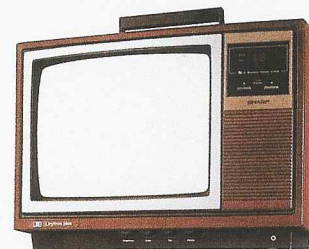
13G45
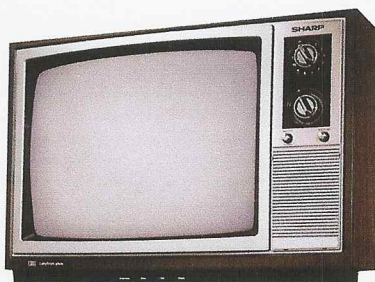**13" Diagonal Portable Color Television with Remote Control**

● New Sigma 6000 Chassis with 100% IC/Solid State micro-condensed circuitry ● 105 Channel Cable-Compatible Tuner ● Random Access Infrared Remote Control ● Exclusive Linytron Plus One-Gun In-Line picture tube ● Quartz Synthesized Phase Locked Loop-PLL Electronic Tuning with 7 Year Warranty ● ACS-5 Automatic Color System ● Automatic Fine Tuning-AFT ● LED channel indicator ● Illuminated CATV and ACS-5 indicators ● Rapid-On picture and sound ● One Button Picture Balance control ● CATV jack ● Detachable VHF dipole and UHF loop antennas ● Earphone for personal viewing ● Built-in carrying handle ● Simulated woodgrain cabinet ● U.L. listed

13½"H × 18⁹⁄₁₆"W × 15⁷⁄₁₆"D

Mfr. Sugg. Ret.................549.95
Elek-Tek Price.........350.00

19'' COLOR TVs

19G77
19" Diagonal Color Television

● Exclusive Linytron Plus One-Gun In-Line picture tube ● New Sigma 6000 Chassis with 100% IC/Solid State micro-condensed circuitry ● One Button Picture Balance control ● Automatic Fine Tuning-AFT ● 1 Year Carry-in Warranty covering both parts and labor ● Rapid-On picture and sound ● Supplied 75/300 VHF antennas adaptor ● Simulated woodgrain cabinet ● Detachable VHF dipole and UHF loop antennas ● U.L. listed

17¼"H × 23⅞"W × 18⁵⁄₁₆"D

Mfr. Sugg. Ret.................399.95
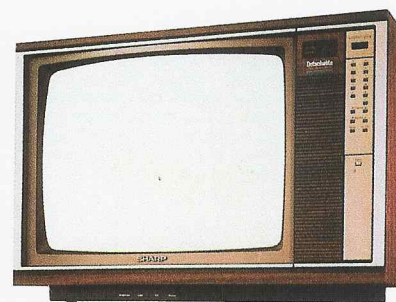**Elek-Tek Price.........290.00**

19G87
19" Diagonal Color Television with Remote Control

● New Sigma 6000 Chassis with 100% IC/Solid State micro-condensed circuitry ● Electronic Varactor Tuning with 7 Year Warranty ● Wireless Remote Control ● Exclusive Linytron Plus One-Gun In-Line picture tube ● Automatic Fine Tuning-AFT ● 1 Year In-Home Warranty covering both parts and labor ● Illuminated channel indicators ● Rapid-On picture and sound ● One Button Picture Balance control ● CATV jack ● Detachable VHF dipole and UHF loop antennas ● Simulated woodgrain cabinet ● U.L. listed

17⁷⁄₁₆"H × 24⁵⁄₃₂"W × 19⁹⁄₃₂"D

Mfr. Sugg. Ret.................559.95
Elek-Tek Price.........360.00

19G97
19" Diagonal Color Television with Sharpshooter™ Detachable Remote Control

● New Sigma 6000 Chassis with 100% IC/Solid State micro-condensed circuitry ● Random access Detachable Remote Control ● 133 Channel Cable-Compatible Tuner ● Exclusive Linytron Plus One-Gun In-Line picture tube ● Quartz Synthesized Phase Locked Loop-PLL Electronic Tuning with 7 Year Warranty ● ACS-5 Automatic Color System ● 1 Year In-Home Warranty covering both parts and labor ● LED channel indicator ● Illuminated CATV and ACS-5 indicators ● Rapid-On picture and sound ● One Button Picture Balance control ● CATV jack ● Detachable VHF dipole and UHF loop antennas ● Simulated woodgrain cabinet ● U.L. listed

17⁷⁄₁₆"H × 24⁵⁄₃₂"W × 19⁹⁄₃₂"D

Mfr. Sugg. Ret.................679.95
Elek-Tek Price.........425.00

Please add an additional $20 for shipping and handling on televisions.
These TVs make great low-cost color monitors for your home computers and video games.

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PC-1500/CE-150

SHARP
POCKET-SIZED MIRACLES

Four Color Graphics and Text

PC-1500 ● The PC-1500 features an extended BASIC language operating system capable of handling two-dimensional arrays, variable string lengths, program chaining, full graphic commands and many other features ● Two built-in ports allow ROM and RAM expansion ● The PC-1500 incorporates 16 bytes of system ROM and 2.6k bytes of user available RAM. Expandable up to 10.6k bytes of RAM by using optional expansion modules ● 214 page applications manual contains over 50 ready to use programs for math, business, statistics, engineering and game applications ● Memory Safeguard™ conveniently prevents erasure of programs or data, even when turned off ● 4K-byte and 8K byte RAM expansion modules offer greater programming capacity ● An 8 bit C-mos CPU enables fast data processing while consuming little energy ● 7 x 156 dot matrix LCD display that can be programmed to create graphics, figures or special symbols ● A special tone generation adds the dimension of sound ● A simplified instruction manual that allows a beginner or an advanced programmer to begin programming immediately ● Automatic Power-Off (APO)™ saves power ● 26 character wide LCD display ● Full ASCII character set with upper and lower cases ● Batteries and soft carry case included.

Elek-Tek Price 215.00   **Mfg. sugg. ret. 300.00**

CE-150 ● The CE-150, an optional printer/cassette interface, provides four-color graphics, 9 different character sizes and X, Y plotting capability ● The CE-150 can be programmed to print in 9 different character sizes ranging from 4 to 36 digits per line ● Rotate commands allow the CE-150 to print up, down, left or right ● Prints a hard copy "list" of your entire program ● Uses plain paper ● Comes with an attractive carrying case that hold both computer and printer, A/C adapter/charger, 3 rolls of paper and dual cassette cables.

Elek-Tek Price 175.00   **Mfg. sugg. ret. 250.00**
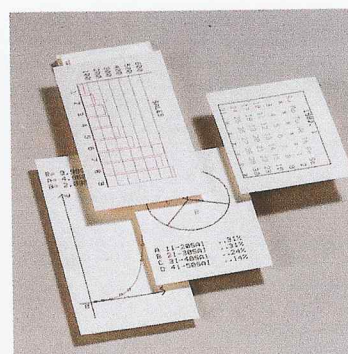
CE-158 NEW! This self-powered interface adds the ability to add all RS-232C (serial) peripheral products including printers, modems, plotters, etc. as well as centronics (parallel) compatible printers.

Elek-Tek Price 175.00   **Mfg. sugg. ret. 225.00**

PC-1500 LIBRARIES

Plug-In Software Modules

● Mathematics
● Electrical Engineering
● Statistics
● Finance
● Graphics

Mfg. sugg. ret. 60.00

Elek-Tek Price 49.00

PC-1211

Handheld Computer Accessories

		Mfg. sugg. ret.	Elek Tek Price
CE-152	Cassette Tape Recorder	100.00	75.00
CE-151	4K RAM Expansion for PC-1500	75.00	55.00
CE-155	8K RAM for PC-1500	150.00	105.00
CE-159	8K RAM with Battery Back-up for PC-1500	175.00	125.00
EA-850B	4 Black Pens for CE-150	3.95	3.25
EA-850C	4 Asst. Color Pens for CE-150	3.95	3.25
EA-1500P	5 rolls of paper for CE-150	1.95	1.75
EA-7000P	5 rolls of paper for CE-122	1.95	1.75
EA-800R	Ribbon Cartridge for CE-122	2.95	2.50

PC-1211 The mini-computer wonder that fits right in your pocket. Into a slim, compact body, Sharp has put high-performance functions with easily managed BASIC language command. 24-digit dot matrix display. 1424-step program capacity with 26 memories and memory safeguard. And lots more. ● Reservable key and definable key systems ● Typewriter-type keyboard arrangement

Elek-Tek Price 65.00   **Mfg. sugg. ret. 160.0**

CE-122 Printer/Cassette Interface-Communicates directly with the PC-1211 for instant hard copy of programs, data, formulas and results. Also, interfaces with almost any cassette recorder for external storage of data and programs

Elek-Tek Price 45.00   **Mfg. sugg. ret. 120.00**

CE-121 Cassette Interface-Interfaces with almost any cassette recorder for external storage of data and programs

Elek-Tek Price 10.00   **Mfg. sugg. ret. 50.00**