Operating Manual



Electronic Printing Calculators

Model 306 Model 305

VICTOR

Welcome to the world of Victor calculator owners

Congratulations on your choice of a Victor electronic calculator. Careful design, coupled with the use of quality materials, painstaking workmanship and advanced research and production facilities, have given you an instrument which, with proper care, will provide years of trouble-free service.

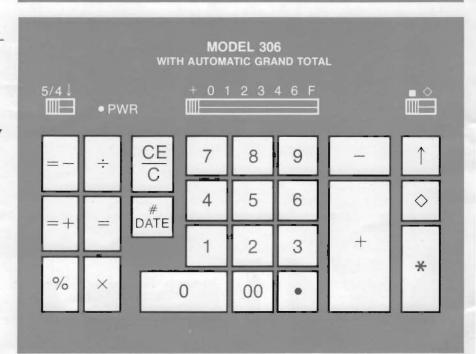
To insure future optimum performance, ask your Victor representative about low cost protection offered by a Victor Full Coverage Maintenance Agreement.

VICTOR COMPTOMETER CORPORATION

MODEL 305									
	• PV	/R	+ 0 1	2 3	4 6 F				
	÷	CE C	7	8	9		1		
		# DATE	4	5	6		\Q		
		DATE	1	2	3	+	Ţ		
%	×	(0	00	•		*		

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OPERATING CONTROLS

The SERIES 300 12 column electronic printing calculators are capable of performing applications requiring the functions of addition, subtraction, multiplication, division, percent, and grand total.

DATA ENTRY KEYS

0 , 00 – 9 Ten Key Pad. Provides numeral entry.

Decimal Point.
 Provides entry of decimal digits.

ARITHMETIC OPERATION KEYS

Plus.
Performs addition and repeat addition.

Performs subtraction, repeat subtraction, and credit balance.

Times. Performs multiplication, automatic cons

Performs multiplication, automatic constant multiplication, and intermediate sequential operations.

Divide. Performs division, automatic constant division, and

intermediate sequential operations.

Equals. Completes and terminates multiplication/division calculations.

% Percent.
Performs percentage, ratio, add-on, and discount calculations.

Equals Plus.

=+

(Model 306 Only) Completes multiplication/division calculations, and adds the results to the accumulator for Automatic Grand Total Multiplication/Division.

Equals Minus.

(Model 306 Only) Completes multiplication/division calculations and subtracts the results from the accumulator for Automatic Grand Total Multiplication/Division.

COMMAND FUNCTION KEYS

Subtotal.

Prints but does not clear the contents of the accumulator.

*

+ 0 1 2 3 4 6 F

Total.

Prints and clears the contents of the accumulator.

Non-add/Date.

DATE 1. Prints entries for reference on the left side of the tape without affecting calculations. 2. Prints and spaces the month, day, and year if entered in the order of month, decimal point (.), day, year.

CE Clear Entry/Clear.
1. After number en

1. After number entry or result, clears Ten Key Pad. 2. Otherwise clears all registers.

Paper Feed.

Selectable single step or continuous tape advance.

MODE SWITCHES

Power.
Turns power on and clears all registers.

Decimal Format Selector.

1. Provides floating decimal input and fixed decimal output at (0.1,2,3,4,6) settings. 2. Provides floating input and output at (F) setting. 3. Provides automatic monetary decimal entry at (+) setting.

Decimal Rounding Selector.

5/4 ↓ (Model 306 Only) 1. Provides automatic round-off at (5/4) setting. 2. Provides automatic truncate at (↓) setting. Note: Model 305 provides automatic (5/4) round-off at all times.

Perpetual Subtotal.

(Model 306 Only) Causes last entry to print followed by automatic subtotal in (⋄) position. Off in (■) position.

INDICATIONS

Power On.

• PWR Unit is on and ready for operation when lit.

Minus Sign.
Identifies negative entries and results in red.

Overflow/Error.
 Caused by excess capacity and division by 0.

CALCULATION EXAMPLES

The following sequence of calculations highlights the logic and function capability of the SERIES 300. Consult the Mode Selector Legend above each example for correct settings, prior to beginning all calculations.

PROBLEM

Addition & Subtraction W/Credit Balance \$1.23 -4.56 \$-3.33 Subtotal -7.89 \$-4.56 Total

ENTER	TOUCH	TAPE
5/4 ↓	+ 0 1 2 3 4	6 F
	*	0.00*1
123	+	1.23 +
456	-	4.56
	.0	3.33♦I Credit Balance
789	+	7.89 +
	*	4.56 *I Total

PROBLEM

Repeat Addition & Subtraction W/Date Reference 7/4/76 Date \$ 6.54 6.54 6.54 -7.89 -7.89

EXAMPLE

ENTER	TOUCH	TAPE
5/4	+ 0 1 2 3 4 6	5 F
	*	0.00*1
7.476	# DATE 7	4 76 #
654	+	6.54+
	+	6.54+
	+	6.54+
789	-	7.89 —
	-	7.89 -
	*	3.84*1 Total

PROBLEM

Perpetual Subtotal

\$327.75 Old Balance 11.25 Check 316.50 New Balance 15.50 Check 301.00 New Balance 185.10 Deposit 486.10 New Balance 25.25 Check 460.85 New Balance

3.84 Total

ENTER		TOUCH	TAPE
	5/4	+ 0 1 2 3 4 6	F • •
		(Model 306 Only)	
		*	0.00 *
	32775	+	327.75+ Old Balance
			327,75 ♦ 1
	1125	-	11.25 - Check
			316.50 ○I New Balance
	1550	-	15.50 - Check
			301.00 ♦ New Balance
	18510	+	185.10+ Deposit
			486.10 ○I New Balance
	2525		25.25 - Check

460.85 ◊ I New Balance

460.85 *1



Multiplication



UNITS | PRICE | EXTENSION | 123 | \$4.56 | \$560.88

ENTER

TOUCH
0 1 2 3 4 6 F

TAPE

			,
	CE/C	С	
123	×	123.00×	
456		4.56=	

= 4.56= 560.88* Extension

PROBLEM

Constant Multiplication

EXAMPLE

.12 × \$11.25 = \$1.35 .12 × 12.36 = 1.48 .12 × 13.47 = 1.62 ENTER

TOUCH TAPE

5/4	1	4	0	1	2	2	4	c	-		0
	$\dot{\Box}$	Ė	U		1	3	_	0		Ē	
				d	CE	/C			(С	
.12					>	(18		0.1	2×	Constant
11.25					-	-			11.2		
									1.3	5*	Product

12.36 = 12.36 = 1.48* F

13.47 = 1.62* Product 13.47 = 1.62* Product

PROBLEM

Constant Multiplication W/Accumulation

EXAMPLE

DEPARTMENT	FLOOR SPACE	EXPENSE
ACCOUNTING	123'	\$ 449.56
MANUFACTURING	456'	1,666.67
MARKETING	789'	2,883.77
TOTALS	1,368′	\$5,000.00

ENTER

TOUCH

CH TAPE

CE/C C
5000 ÷ 5000.00 ÷ Total Expense

123 + 123.00 + 456 + 456.00 + 789 + 789.00 + * 1368.00*I Total Space

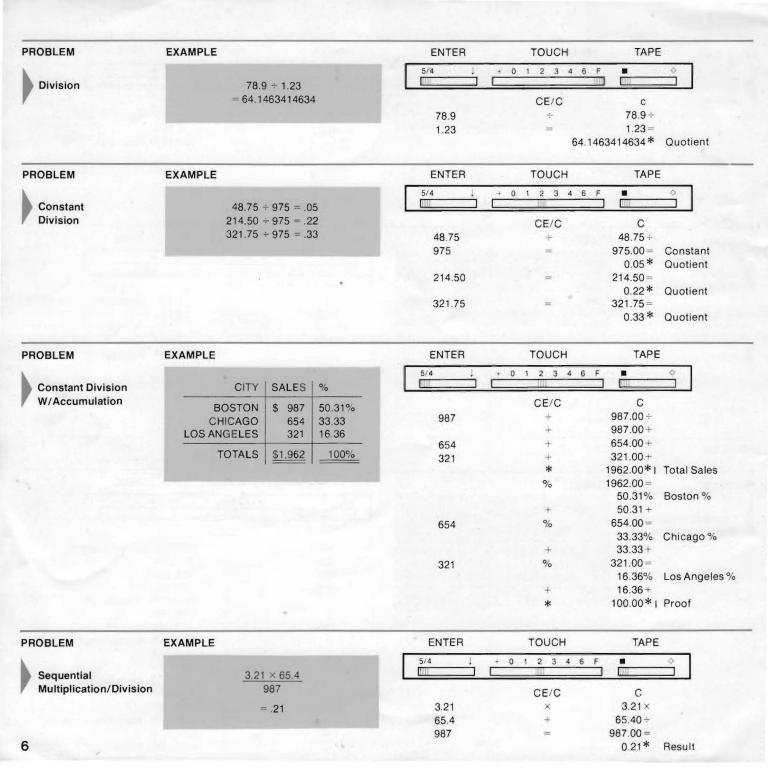
123 × 1368.00 × = 123.00 = 449.56 * Accounting Expense

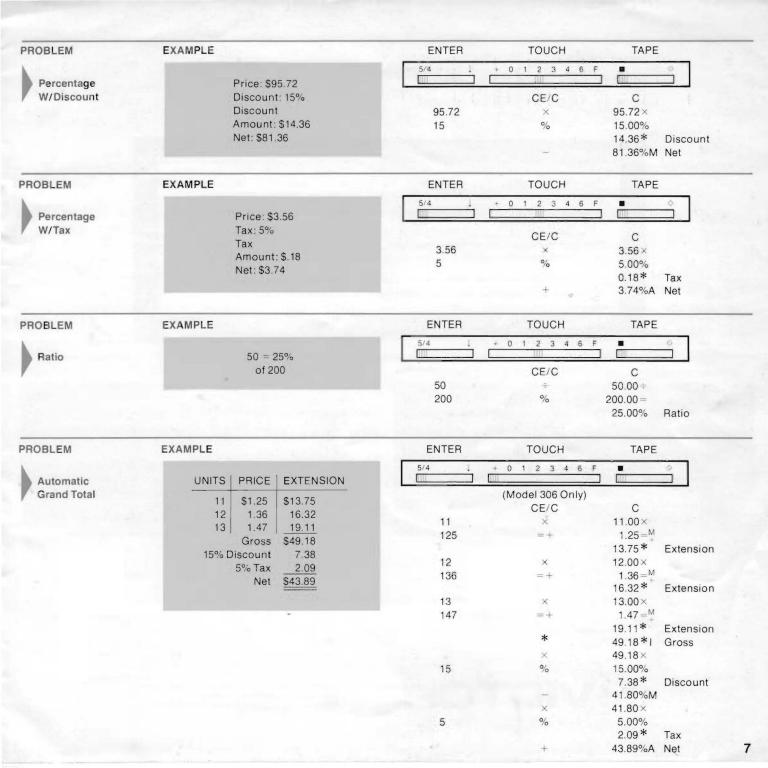
+ 449.56 + 456.00 =

789 1666.67 * Manufacturing Expense + 1666.67 + 789.00 = 2883.77 * Marketing Expense

+ 2883.77 + * 5000.00*1 Proof

5





SPECIFICATIONS

USABLE TEMPERATURE: 0-40°C

CIRCUITRY: MOS-LSI

POWER INPUT: 50/60 HZ, 120V ± 15%

50 HZ, 240/220V ± 15%

POWER CONSUMPTION: 20 WATTS DIMENSIONS: 83/8" x 107/8" x 31/8" WEIGHT: 6 LBS.

One year guarantee. This Victor electronic calculator is guaranteed to the original purchaser for one full year for all parts and labor, providing repair work is performed in an authorized Victor Service Center. Guarantee excludes transportation or travel to and from Service Centers.

Any guarantee statutory or otherwise, does not include service and/or replacement or repair of parts when damage or defect is a result of accident, abuse or the elements.

To assure future optimum performance, ask your Victor representative about low cost full coverage offered by a Victor Extended Guarantee Protection plan.

REPLACING PAPER TAPE

- 1. Coen printer cover.
- 2. Tear off and remove old paper roll. Depress paper advance to remove remaining paper. (Do not pull paper out)
- 3. Install new roll with leading edge feeding from bottom.
- 4. Fold leading edge back one inch and insert into rear of printing mechanism, following direction of raised arrows.
- 5. Lift tear off blade and depress paper advance until sufficient paper feeds through.
- 6. Snap back tear off blade and tear off excess paper.
- 7. Replace printing cover.

CHANGING RIBBON

- 1. Open printer cover.
- 2. Lift tape between paper roll and printer to provide enough slack to reach ribbon spools.
- 3. Remove spool not engaged by red lever first, switch lever to other side, and remove second spool.
- 4. Install new ribbon black edge up placing first spool on spindle not engaged by red lever, switch lever to other side and replace second spool. Thread new ribbon along outside of guides and in front of print wheels.
- 5. Rotate spools to take up slack and replace printer cover.

