

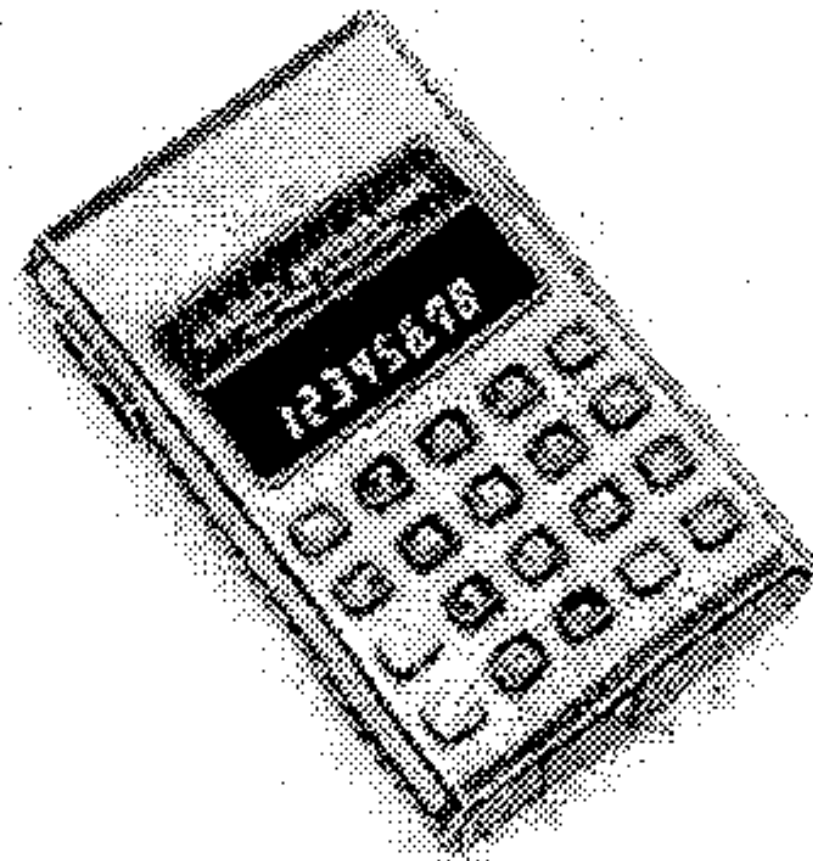
Printed in Japan

CASIO

ELECTRONIC CALCULATOR

CASIO pocket-mini

OPERATOR'S INSTRUCTION MANUAL



(CP-801B)

INTRODUCTION

Dear customer,
 Congratulations on your purchase of this fully pocketable, personal electronic calculator. Although extremely compact, it carries all the capabilities you could require for daily calculation needs broad 8 digit capacity, percentages for mark-ups/discounts, one-touch square root function, automatic constants in four functions, floating decimal with underflow and true credit balance. To utilize the full features of this calculator, no special training is required but we suggest you take a few minutes with this instruction manual to become familiar.

1 / KEYBOARD


POWER SWITCH:

Move the switch forward to start a calculation.


READ-OUT :

Shows each entry and result through an 8-digit Multi-Digitron tube panel. Suppresses unnecessary 0's (zeroes).

NUMERAL/DECIMAL POINT KEY ~ :

Enters numerals. For decimal places use the  key in its logical sequence.

FUNCTION COMMAND/RESULT KEY , , , :

Press the numeral and function command keys in the same logical sequence as the formula and the  key obtains the answer.

A full floating decimal and underflow system work in all calculations to protect significant digits.

PERCENT KEY :

Performs percentage calculations, including mark-ups and discounts.



SQUARE ROOT KEY :

Extracts the square root of a displayed number.

CLEAR KEY :

Clears display for correction. To correct the function commands, depress the appropriate function key (+, -, x or ÷) successively.

ALL CLEAR KEY :

Clears the entire machine, and releases an overflow check. There is no need to depress the  or  key prior to starting each new calculation.



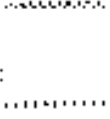
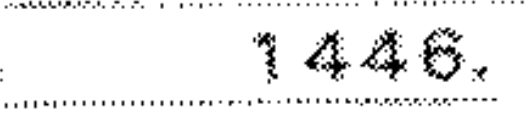
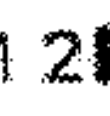
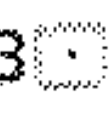

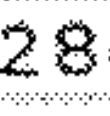
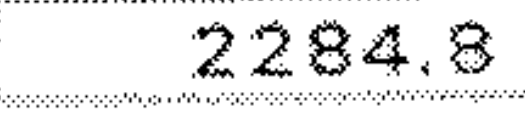

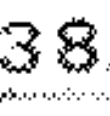
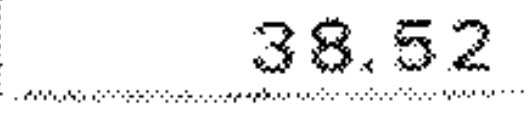

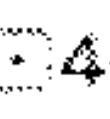

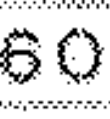
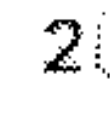

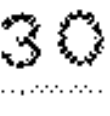
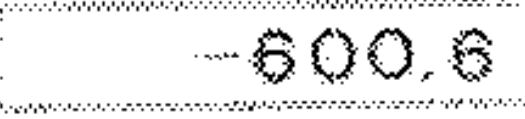
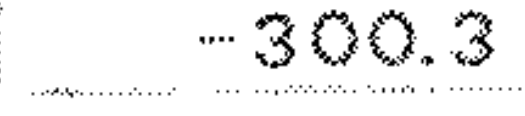
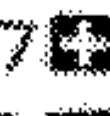

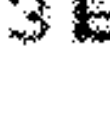



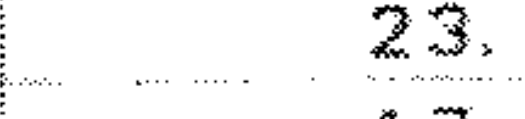

2 / DISPOSABLE DRY BATTERY OPERATION

This calculator operates on dry batteries only.

With two Manganese dry batteries (AA size) it operates for approximately 13 hours continuously.

Even when battery power decreases, the display will merely darken but cause no miscalculation. When you have finished your calculation, be sure to switch off the power switch to save battery power. To change batteries, put the power switch off first. Slide open the battery cover and replace batteries.

3 / BASIC OPERATIONAL EXAMPLES

EXAMPLE	OPERATION	READ-OUT
741-258+963 =1446	741  258  963 	 1446.
12×3.4×56 =2284.8	12  3  4  56 	 2284.8
963÷25=38.52	963  25 	 38.52
(123+65.4-789) ×2.5÷5=-300.3	123  65  4  789  2  5  5 	 -600.6  -300.3
* A negative figure is displayed with minus (-) sign up to 7 digits.		
7+8+8-3-3=17	7  8  8  3  3 	 7.  23.  17.

* Any number entered immediately before the **□** key is added or subtracted as many times as the **□** key is depressed.

Note: To perform a problem commencing with a negative figure, operate **□** **□**ENTRY in sequence.

4/CHAIN OPERATION

Chain operations can be performed using up to 8 significant figures (7 significant figures when the number is negative) of an intermediate result including decimal digit(s) dropped off by underflow.

EXAMPLE	OPERATION	READ-OUT
1.2345678 × 0.01	1 □ 2345678 □	1.2345678
× 100 = 1.2345678	□ 01 □	0.0123456 78

** 8 significant figures other than 0's (zeroes) on the left of the figure.

100 **□** 1.2345678

Note When the function command is altered and/or an intermediate result is obtained by the **□** key, subsequent calculation can be performed using the number displayed only.

EXAMPLE	OPERATION	READ-OUT
1.2345678 × 0.01	1 □ 2345678 □	1.2345678
× 100 = 1.23456 (78)	□ 01 □	0.0123456 78
	□	0.0123456
	□ 100 □	1.23456

5/CALCULATION WITH A CONSTANT

ENTRY **□** (**□**, **□** or **□**) ENTRY **□**

→ To be set as a constant.

Performing a new operation clears the previous constant and it also sets the new constant in the same manner as above.

EXAMPLE	OPERATION	READ-OUT
3 + 1.2 = 4.2	3 □ 1 □ 2 □	4.2
	(1.2 is set as a constant.)	
6 + 1.2 = 7.2	6 □	7.2
4 - 5.6 = -1.6	4 □ 5 □ 6 □	-1.6
	(5.6 is set as a constant.)	
12 - 5.6 = 6.4	12 □	6.4
9 × 23 = 207	9 □ 23 □	207.
	(23 is set as a constant.)	
4.56 × 23 = 104.88	4 □ 56 □	104.88
41 ÷ 2.5 = 16.4	41 □ 2 □ 5 □	16.4
	(2.5 is set as a constant.)	
52 ÷ 2.5 = 20.8	52 □	20.8

6/PERCENTAGE CALCULATION

The **□** key works with both multiplication and division. Depressing the **□** or **□** key after finishing percentage multiplication gives mark-up or discount.

EXAMPLE	OPERATION	READ-OUT
20% of 1450	1450 □ 20 □	290.
..... 290		
Percentage of 580	580 □ 1450 □	40.
against 1450 . . . 40%		
20% mark-up of 1450	1450 □ 20 □ □	1740.
..... 1740		
20% discount of 1450	1450 □ 20 □ □	1160.
..... 1160		

7/SQUARE ROOT CALCULATION

EXAMPLE	OPERATION	READ-OUT
$\sqrt{2}=1.414213\dots$	2 $\sqrt{\square}$	1.414213
$\sqrt{2 \times 8}=4$	2 \times 8 $\square \sqrt{\square}$	4.
$\sqrt{7+2\sqrt{5}}$ =3.387053	5 $\sqrt{\square}$ + 2 \times 7 $\square \sqrt{\square}$ $\square \sqrt{\square}$	2.236067 11.472134 3.387053

* The minus (-) sign appears when a negative figure is extracted.

8/SQUARE/POWER & RECIPROCAL

EXAMPLE	OPERATION	READ-OUT
$2.5^2=6.25$	2 $\square 5 \square \square \square$	6.25
$2.5^3=15.625$	$\square \square$	15.625
$2.5^4=39.0625$	$\square \square$	39.0625
$\frac{1}{(2+3) \times 4.5}$ =0.0444444...	2 $\square 3 \square 4 \square 5 \square \square$ $\square \square$ $\square \square$	22.5 1. 0.0444444
$\frac{9876}{123+456}$ =17.056994...	123 $\square 456 \square \square$ $\square \square$ 9876 $\square \square$	579. 1. 17.056994

9/OVERFLOW

Overflow takes place when an answer, whether intermediate or final, exceeds 8 digit integers (or 7 digits, when the figure is negative.) in all calculations and is indicated by the "E." sign, stopping further calculation. To release the locked registers caused by the overflow check, depress the \square key.

EXAMPLE	OPERATION	READ-OUT
123456.78×9876 =1219259159.28	123456 $\square 78 \square \square$ 9876 $\square \square$	123456.78 E.
(To start a new calculation.)	\square	0.

10/SPECIFICATIONS

OPERATIONS:

Four basic functions, chain and mixed operation, constants for four functions, percentage calculation including mark-ups / discounts, square roots, squares/powers, reciprocals, true credit balance and calculation involving decimal places.

CAPACITY:

Entry/display 8 digits (7 digits for negatives)
Addition/subtraction 8 digits (7 digits for negatives)
Multiplication/division 8 digits (7 digits for negatives)
Square root 7 digits

OPERATING SYSTEM: By 3 working registers.

DECIMAL POINT: Full floating decimal point system with foolproof underflow.

NEGATIVE NUMBER: Indicated by minus (-) sign on the left of the figure.

OVERFLOW CHECK: Indicated by the "E." sign, locking the calculator.

READ-OUT: Zero suppression, Multi-Digitron tube panel.

MAIN COMPONENT: One chip LSI

POWER CONSUMPTION: 0.2W

POWER SOURCE:

DC: Two AA size Manganese dry batteries (SUM-3) operate

about 13 hours continuously.

Two AA size Alkaline dry batteries (AM-3) operate about 25 hours continuously.

USABLE TEMPERATURE: 0°C ~ 40°C (32°F ~ 104°F)

DIMENSIONS: 22.3 mm H x 61.5 mm W x 98 mm D
(7/8" H x 2 3/8" W x 3-7/8" D)

WEIGHT: 111 g. (4 oz.) including batteries.

CARE OF YOUR NEW ELECTRONIC CALCULATOR

The calculator is a durable, precision-made instrument which will provide you with years of trouble-free service.

To help ensure this we recommend that the inside of the calculator not be touched. It is also inadvisable to subject the calculator to hard knocks, drops, and unduly strong key pressing.

Extreme cold (below 0°C or 32°F), heat (above 40°C or 104°F) and humidity may also effect the function of the calculator. When you do not use the calculator for a long period, take out the batteries to prevent damage if the batteries leak. Please make sure you switch off the power when you finish your calculations or intend to open the cover to change batteries.

Should the calculator need service, take the unit to the store where purchased or to a nearby dealer.

CASIO ELECTRONIC CALCULATOR

WARRANTY

All Casio Electronic calculators are guaranteed to be free from defects in workmanship and material under normal use for a period of one year. During the guarantee period, all broken or defective parts not caused by accident or misuse will be replaced free of charge (including labor). All necessary adjustments of parts during the guarantee period must be made by Casio or an authorized Casio dealer, or this warranty shall automatically terminate. Should this machine require service during the guarantee period, present the invoice, receipt or sales slip with the unit for proof of purchase date. The warranty is extended to the original purchaser only.

Casio

CASIO ELECTRONIC CALCULATOR

MODEL

CASIO
pocket-mini

CP-801B

Your Name.....

Address.....

Dealer's Name.....

Address.....

Serial Number **5142201**

Date of Purchase.....

CASIO SERVICE CENTER

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