CONCEPT II

ELECTRONIC CALCULATOR WITH MEMORY

Distributed by
Zayre Corporation
Framingham, Mass. 01701

TEXAS INSTRUMENTS

OPERATING INSTRUCTIONS

Easy to Operate—The convenient algebraic entry system allows problems to be entered in the same order they are written. The floating decimal point ensures maximum accuracy and the negative sign appears just to the left of the number where you can't miss it.

Battery Replacement—A 9-volt alkaline battery is recommended for maximum calculating time. If another type of battery must be used, remove it immediately after it is discharged to prevent possible damage from leakage. The battery compartment is accessible from the back of the calculator by prying open the cover with a coin.

AC Adapter—The Model AC9180 Adapter is included as an accessory to operate the Concept II from standard electrical outlets.

If you have questions or need assistance with your calculator, write:

Consumer Relations Department
P. O. Box 22283
Dallas, Texas 75222

or call 800-527-4980 (toll-free within all contiguous states except Texas) or 800-492-4298 (toll-free within Texas). If outside the contiguous United States, call 214-238-5461 (We regret we cannot accept collect calls at this number.)

Memory Functions – Add to, subtract from, or clear the memory without affecting the displayed number or calculation in progress.

[M+] adds displayed number to memory.

[M–] subtracts displayed number from memory.

[MR] recalls number in memory to display.

[MC] clears only the memory.

Automatic Constant – Addition, subtraction, multiplication, or division with a constant number is automatic. The **first** number entered in multiplication will be the constant. The **second** number entered in the other three functions will be the constant.

Decimal Alignment – In addition or subtraction problems, the Concept II will display as many decimal places in a result as are contained in the entry with the most decimal places. For example, the result of the problem 1.273 – .203 is displayed as 1.070 instead of 1.07. This decimal alignment is maintained in addition and subtraction results until [C] is used or a number with more decimal places is entered.

Change Sign – The [CS] key changes the sign of the displayed number. Convenient for entering negative numbers.

Decimal Point Location – Automatically appears to the right of any number entered unless the [•] key is used. The calculator automatically positions the decimal to display the most significant digits of the result.

Calculation Overflow – A flashing display indicates that the result is more than eight digits to the left of the decimal. The calculator will not accept any key entries except [CE] or [C] . Press [CE] * to clear only the overflow condition. The displayed number will remain with the decimal shifted eight places to the left of its original position. To determine the correct placement of the decimal, mentally move it eight places to the right. Press [C] * to clear all numbers and the overflow condition from the calculator.

Memory Overflow – The display flashes when the memory total exceeds eight digits, and the calculator will not accept further entries. Press [C] * **twice** to clear calculator. Press [MC] * [CE] * to clear memory but retain the displayed number.

*Hold key down momentarily

SAMPLE PROBLEMS

General

Example: 4 + 6 − 3 = 7

4 [+] 6 [−] 3 [=] 7.

Example: 26 × 3 ÷ 8 = 9.75

26 [X] 3 [÷] 8 [=] 9.75

Example: $\left(\frac{-125}{5} + 3\right) \times (-4) = 88$

125 [CS] [÷] 5 [+] 3 [X] 4 [CS] [=] 88.

Example: 10 ÷ (9 − 4) = 2

[MC] 9 [−] 4 [=] [M+] 10 [÷] [MR] [=] 2.

Percentage

Example: 50 × 10% = 5

50 [X] 10 [%] ⇒ 5.

Example: (15 ÷ 30) × 100 = 50%

15 [÷] 30 [%] ⇒ 50.

Add-on Percent

Example: 50 + (50 × 10%) = 55

50 [+] 10 [%] [=] 55.

Discount Percent

Example: 50 − (50 × 10%) = 45

50 [−] 10 [%] [=] 45.

The [%] key will calculate a specific percentage of a given quantity only if a prior arithmetic function (+, −, ×, ÷) is pending. The [%] key cannot be used to convert a quantity in the display (keyboard entry, calculated result, or quantity recalled from memory) to a percentage.

CALCULATIONS WITH CONSTANTS

Example: 2 + 3 = 5; 4 + 3 = 7

2 [+] 3 [=] 5.

4 [=] 7.

Example: 2 − 3 = −1; 4 − 3 = 1

2 [−] 3 [=] −1.

4 [=] 1.

Example: 3 × 8 = 24; 3 × 4 = 12

3 [X] 8 [=] 24.

4 [=] 12.

Example: 9 ÷ 3 = 3; 12 ÷ 3 = 4

9 [÷] 3 [=] 3.

12 [=] 4.

Example: 50 × 10% = 5; 50 × 20% = 10

50 [X] 10 [%] ⇒ 5.

20 [%] ⇒ 10.

Example:

50 + (50 × 10%) = 55; 50 + (50 × 20%) = 60

50 [+] 10 [%] [=] 55.

20 [%] [=] 60.

IN CASE OF DIFFICULTY

1. If using the adapter (AC9180), check for power at AC outlet and proper insertion of plug into calculator.

   CAUTION: Use of other than the AC9180 Adapter may apply improper voltage to your calculator and may cause damage.

2. If display fails to light on battery operation, install a new battery.

3. Review operating instructions to be certain calculations are performed correctly.

If none of the above procedures correct the difficulty, return the calculator and adapter PREPAID and INSURED to the applicable service facility below.

IMPORTANT: A copy of the sales receipt or other proof-of-purchase date MUST be enclosed with the calculator for in-warranty repair (please do not send the original document).

For out-of-warranty service, carefully pack your calculator, enclose $6.00 for service and handling, and include your complete name, address, and zip code. Send prepaid and insured to the applicable service facility.

Texas Instruments Consumer Service Facilities

Texas Instruments Service Facility
P.O. Box 2500
Lubbock, Texas 79408

Texas Instruments Service Facility
41 Shelley Road
Richmond Hill, Ontario, Canada

Consumers in California and Oregon may contact the following Texas Instruments offices for additional assistance or information:

Texas Instruments Consumer Service
78 Town and Country
Orange, California 92668
(714) 547-2556

Texas Instruments Consumer Service
10700 Southwest Beaverton Highway
Park Plaza West, Suite 111
Beaverton, Oregon 97005
(503) 643-6758

NINETY-DAY LIMITED WARRANTY

This electronic calculator from Texas Instruments is warranted to the original purchaser for a period of ninety (90) days from the original purchase date—under normal use and service—against defective materials or workmanship. **ANY IMPLIED WARRANTIES ARE ALSO LIMITED IN DURATION TO THE NINETY-DAY PERIOD FROM THE ORIGINAL PURCHASE DATE.**

This warranty is void if: (1) the calculator has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material or workmanship, (2) the serial number has been altered or defaced.

TEXAS INSTRUMENTS SHALL NOT BE LIABLE FOR LOSS OF USE OF THE CALCULATOR OR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES OR DAMAGES INCURRED BY THE PURCHASER.

During the warranty period your calculator will either be repaired or it will be replaced with a reconditioned model of equivalent quality (at manufacturer's option) without charge to the purchaser, when returned prepaid and insured, with proof of purchase date, to a Texas Instruments service facility listed herein. In the event of replacement with a reconditioned model, the replacement unit will continue the warranty of the original calculator or 90 days, whichever is longer.

UNITS RETURNED WITHOUT PROOF OF PURCHASE DATE WILL BE REPAIRED AT THE SERVICE RATES IN EFFECT AT THE TIME OF RETURN.

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