



# WS-220TC

Calculator



E-IE-467

INSTRUCTION

## Calculation Examples

| CALCULATION<br>                 | OPERATION<br>     | DISPLAY<br>          |
|---------------------------------|-------------------|----------------------|
| <b>▼ Mixed</b>                  |                   | ( ) ( )              |
| 140-35+22=127                   | 140  35  22       | ( ) ( 127.00)        |
| 2x2 <sup>2</sup> =6             | 2  2  2           | ( ) ( 6.00)          |
| -7x9 <sup>2</sup> =-63          | 7  9  2           | ( ) ( -63.00)        |
| (2+4)÷3x8.1=16.2                | 2  4  3  8.1      | ( ) ( 16.20)         |
| <b>▼ Constant</b>               |                   | ( ) ( )              |
| 2+3=5                           | 2  3              | ( ) ( 5.00)          |
| 4+3=7                           | 4  3              | ( ) ( 7.00)          |
| 1-2=-1                          | 1  2              | ( ) ( -1.00)         |
| 2-2=0                           | 2  2              | ( ) ( 0.00)          |
| 2x3=6                           | 2  3              | ( ) ( 6.00)          |
| 2x4=8                           | 2  4              | ( ) ( 8.00)          |
| 6÷3=2                           | 6  3              | ( ) ( 2.00)          |
| 9÷3=3                           | 9  3              | ( ) ( 3.00)          |
| <b>▼ Power, Fraction</b>        |                   | ( ) ( )              |
| 3 <sup>3</sup> =27              | 3  3  3           | ( ) ( 27.00)         |
| 1/2=0.5                         | 1  2              | ( ) ( 0.50)          |
| 1/(2x3+4)=0.1                   | 2  3  4  1        | ( ) ( 0.10)          |
| <b>▼ Square Root</b>            |                   | ( ) ( )              |
| √3 = 1.73205080756              | 3                 | ( ) ( 1.73205080756) |
| <b>▼ Floating Calculation</b>   |                   | ( ) ( )              |
| 8÷3x3.7+9<br>=18.8666666666     | 8  3  3.7  9      | ( ) ( 18.8666666666) |
| <b>▼ Add Mode</b>               |                   | ( ) ( )              |
| \$14.90+\$0.35-\$1.45<br>=13.80 | 14.90  0.35  1.45 | ( ) ( 13.80)         |
| <b>▼ Round up</b>               |                   | ( ) ( )              |
| 28÷3=9.3333333333               | 28  3             | ( ) ( 9.3334)        |
| <b>▼ Round off</b>              |                   | ( ) ( )              |
| 11÷3=3.6666666666               | 11  3             | ( ) ( 3.6667)        |

| CALCULATION<br>   | OPERATION<br>    | DISPLAY<br>          |
|---|------------------|----------------------|
| <b>▼ Round-down</b>   |                  | ( ) ( )              |
| 11÷3=3.6666666666   | 11  3            | ( ) ( 3.6666)        |
| <b>▼ Percentage</b>   |                  | ( ) ( )              |
| 1200+(1200x20%)=1,440   | 1200  20         | ( ) ( 1'440.00)      |
| 1200-(1200x20%)=960   | 1200  20         | ( ) ( 960.00)        |
| <b>▼ Memory</b>   |                  | ( ) ( )              |
| 3x4= 12   | 3  4             | ( M 12.00)           |
| 6 ÷ 2 = 3   | 6  2             | ( M 30.00)           |
| -18   | 18               | ( M -18.)            |
| 200   | 200              | ( M 200.00)          |
| 182   | (Recall Memory)  | ( M 182.)            |
|   | (Clear Memory)   | ( ) ( 182.)          |
| <b>▼ Tax Calculation</b>  |                  | ( ) ( )              |
| <b>Tax Rate Set</b><br>Tax Rate = 5%                            | 5                | ( ) ( TAX% 5.)       |
| <b>Add the Tax Amount</b><br>Price \$2,000 without tax          | 2000             | ( ) ( TAX+ 2'100.00) |
| Selling price with tax=? (\$2,100)                              |                  | ( ) ( TAX 100.00)    |
| <b>Deduct Tax Amount</b><br>Selling price \$3,150 with tax      | 3150             | ( ) ( TAX- 3'000.00) |
| Price without tax = ? (\$3,000)                                 |                  | ( ) ( TAX 150.00)    |
| Tax amount? = (\$150)   |                  |                      |
| <b>Recall Tax Rate</b>  |                  | ( ) ( TAX% 5.)       |
| <b>▼ Currency Conversion</b>                                    |                  | ( ) ( )              |
| <b>Currency Rate Store</b><br>1.2809 (US\$)<br>Local = 1 (Euro) | 1  2809          | ( ) ( RATE 1.2809)   |
| <b>Recall Currency Rate</b>                                     |                  | ( ) ( RATE 1.2809)   |
| <b>Convert Currency</b><br>1) Euro 78 = US\$?<br>(US\$99.91)    | 78               | ( ) ( LOCAL 99.91)   |
| 2) US\$ 48 = Euro?<br>(37.47)                                   | 48               | ( ) ( LOCAL 37.47)   |
| <b>▼ Overflow</b>   |                  | ( ) ( )              |
| 1) 123456789x78900<br>= 9740740652100<br>(Error)                | 123456789  78900 | ( E 9.74074065210)   |
|   |                  | ( ) ( 9.74074065210) |
| 2) 6 ÷ 0 = 0<br>(Error)   | 6  0             | ( E 0.)              |
|   |                  | ( ) ( 0.)            |

## INFORMATION

- Before using this product, please read this manual carefully. And keep it on hand for future reference.


## ⚠ CAUTION

- 1) Avoid using, placing or storing the calculator in places subject to strong sunlight, rapid temperature change, humid or dusty areas.
- 2) Use a dry cloth to clean the casing of the unit. Do not use water, organic solvents or detergents.
- 3) Avoid using the calculator in places where there are iron filings, as this may affect the electrical circuits of the calculator.
- 4) Do not twist or bend the calculator.
- 5) Do not attempt to open the calculator.
- 6) Do not let the product come into contact with water or other liquids.


## POWER SUPPLY

This calculator has two power sources: battery and solar. The duration of the battery depends on individual usage.


(**Note:** Do not attempt to change the battery. Please have a Canon Service Center technician to change the battery.)

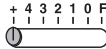
- ⓘ Electromagnetic interference or electrostatic discharge may cause the display to malfunction or the contents of the memory to be lost or altered. Should this occur, press the  key and re-start your calculation from the beginning.

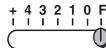
## AUTOMATIC POWER-OFF FUNCTION

When the power is turned “ON” and none of the keys are pressed for more than 7 minutes, the calculator turns off automatically to save power. Press  key to re-start the calculator.




## DECIMAL POINT SELECTOR SWITCH

 Used for designating the decimal point position (+ 4 3 2 1 0 F) for calculated results.



 **+ (Add-Mode):** Addition and subtraction functions are performed with an automatic 2-digit decimal. This mode is convenient for currency calculations.



 **F (Floating Decimal Point):** All effective number up to 12 digits are displayed.


## ROUNDING SWITCH


 Used to round-up [], round-off [5/4] or round-down [] to the pre-selected decimal digits in the result.

## TAX FUNCTION

 **Store the Tax Rate:** Enter the tax rate amount, then press  to store.

 **Recall the Tax Rate:** Press  to recall the stored tax rate.





 **Add Tax Key:** Used to add the tax amount to the displayed figure.

 **Deduct Tax Key:** Used to deduct the tax amount from the displayed figure.


## CURRENCY CONVERSION FUNCTION

 : Enter the currency conversion rate and press  to store the rate.

  : Press   to recall the stored currency conversion rate.

  : Used for converting the unit between  and  currency.

## OVERFLOW FUNCTIONS

In the following cases, error message (E) will be shown on the display. The keyboard is electronically locked, and further operation is impossible. Press  to clear the overflow. The overflow occurs when:

- 1) The result or the memory content exceeds 12 digits to the left of the decimal point.
- 2) Dividing by “0”.

## SPECIFICATIONS

Power Source: Solar cell and alkaline battery (LR44 x 1)

Operating Temperature : 0°C to 40°C

Dimension: 145mm(L) x 145mm (W) x 35mm (H)

Weight : 165g

All specifications and contents of this instruction are subject to change without notice

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