

POWER SUPPLY

CITIZEN model CPC-210 is a dual-powered (high power solar + back-up battery) calculator operative under any lighting conditions.

-Auto power-off function-

The calculator switches the power off automatically if there has been no key entry for about 8 minutes.

-Battery change-

If the back-up battery needs to be changed, open the lower cabinet to remove the old battery and insert a new battery in the indicated polarity. After changing battery, please use a metal, elliptical object to press the RESET pad on printed circuit board.

KEY INDEX

[ON/C] : Power on / Clear key

[CE] : Clear entry

[→] : Shift-back key

[M+] : Memory plus key

[M-] : Memory minus key

[MR] : Memory recall key

[MC] : Memory clear key

[+/-] : ±Sign change key

[GT] : Grand total key

[⊕] : Universal currency key

[LOCAL] : Local currency key

[^{STORE}+TAX] : Price with tax key / To store tax rate when pressing [SET] and [+TAX] keys

^{RECALL}
[-TAX] : Price without tax key / To recall tax rate when pressing [SET] and [-TAX] keys

[SET] : Exchange rate setting key/Tax rate setting key

[SELL] [MARGIN] [COST] :

Used for calculating the cost, selling price and profit margin amount. Enter the value of any 2 items to obtain the balance item.

THE SIGNS OF THE DISPLAY MEAN THE FOLLOWING:

M : Memory - : Minus (or negative)

GT : Grand total E : Overflow-error

COST : Cost SELL : Selling price

MAR% : Margin percentage

MAR : Margin (Selling price-Cost)

TAX% : Tax rate stored

TAX : Amount of tax

+TAX : Price including tax

-TAX : Price excluding tax

SET : Exchange rate or Tax rate setting

LOCAL : Local currency

☉ : Universal currency

1. Calculation Examples

Before performing each calculation, press the [ON/C] key.

Example	Key operation	Display
1 x 2 x 3 = 6	[ON/C]	0.
	1 [x] 2 [x] 3 [=]	GT 6.
	[ON/C]	GT 0.
8 - 3 = 5	8 [+] [-] 3 [=]	GT 5.
7 x 9 = 63	7 [÷] [x] 9 [=]	GT 63.
2 x 3 = 6	2 [x] 2 [CE] 3 [=]	GT 6.
2 + 4 + 6 = 12	2 [+] 3 [+] 6 [ON/C]	0.
	2 [+] 4 [+] 6 [=]	GT 12.
1234 x 100 = 123,400	12345	12'345.
	[→]	1'234.
	[x] 100 [=]	GT 123'400.
5 x 3 ÷ 0.2 = 75	5 [x] 3 [÷] 0.2 [=]	GT 75.

$8 \div 4 \times 3.7 + 9$ =16.4	8 [÷] 4 [x] 3.7 [+] 9 [=]	GT	16.4
------------------------------------	------------------------------	----	------

$300 \times 27\% = 81$	300 [x] 27 [%]	GT	81.
$\frac{11.2}{56} \times 100\% =$ 20%	11.2 [÷] 56 [%]	GT	20.
$300 + (300 \times 40\%)$ =420	300 [+] 40 [%]	GT	420.
$300 - (300 \times 40\%)$ =180	300 [-] 40 [%]	GT	180.

$5^4 = 625$	5 [x] [=] [=] [=]	GT	625.
$1 / 2 = 0.5$	2 [÷] [=]	GT	0.5
$\frac{1}{(2 \times 5 - 6)} = 0.25$	2 [x] 5 [-] 6 [÷] [=]	GT	0.25

$(-6) + 4 + 7.5$ = 5.5	6 [+/-] [+] 4 [+] 7.5 [=]	GT	5.5
$3 - 6 - 4 = -7$	3 [-] 6 [-] 4 [=]	GT	-7.

2.Memory Calculation

(12 x 4) – (20 ÷ 2) = 38	[ON/C]		0.
	12 [x] 4 [M+]	M	48.
	20 [÷] 2 [M–]	M	10.
	[MR]	M	38.
	[MC] [ON/C]		0.
15 x 2 = 30 20 x 3 = 60 25 x 4 = 100 (total A = 190) 150 ÷ 5 = 30 40 x 3 = 120 (total B = 150) A – B = 40	15 [x] 2 [M+]	M	30.
	20 [x] 3 [M+]	M	60.
	25 [x] 4 [M+]	M	100.
	150 [÷] 5 [M–]	M	30.
	40 [x] 3 [M–]	M	120.
	[MR]	M	40.
	[MC] [ON/C]		0.

3.Constant Calculation

$3 \times 4 = 12$	$3 [\times] 4 [=]$	GT	12.
$3 \times 6 = 18$	$6 [=]$	GT	18.
$12 \div 4 = 3$	$12 [\div] 4 [=]$	GT	3.
$24 \div 4 = 6$	$24 [=]$	GT	6.
$2 + 3 = 5$	$2 [+] 3 [=]$	GT	5.
$4 + 3 = 7$	$4 [=]$	GT	7.
$3 - 2 = 1$	$3 [-] 2 [=]$	GT	1.
$2 - 2 = 0$	$2 [=]$	GT	0.

4.Overflow Error Clear

1234567890	12345678901	E	1'234'567'890.
x 100 =	[→]		1'234'567'890.
123456789000	[x] 100 [=]	E	12.34567890
	[ON/C]		0.

5.GT-Memory

Pressing [GT] twice before you operate GT function.

20 + 10 = 30	[ON/C] 20 [+] 10 [=]	GT	30.
45 - 25 = 20	45 [-] 25 [=]	GT	20.
50 x 3 = 150	50 [x] 3 [=]	GT	150.
total = 200	[GT]	GT	200.
200 x 15% = 30	[x] 15 [%]	GT	30.
200 + (200 x15%) = 230	[GT]	GT	230.
	[GT]		230.
	[ON/C]		0.

- All calculation results are automatically accumulated in GT.

6. Tax Calculation

150+TAX(3%) =154.5 Tax sum = 4.5 Tax inclusive value = 154.5	3 [SET]	SET	3.
	[+TAX]	TAX%	3.
	100 [+TAX]	TAX% +TAX	3. 154.5.
	[+TAX]	TAX% TAX	3. 4.5
206-TAX(3%) =200 Tax sum = 6 Tax exclusive value = 200	[ON/C] [SET] [-TAX]	TAX%	3. 0.
	206 [-TAX]	TAX% -TAX	3. 200.
	[-TAX]	TAX% TAX	3. 6.

7.Currency Exchange

USD : EURO = 1.2140 : 1 (LOCAL) (€)	[€] [SET] 1	LOCAL 1. € ≥ 1. ≤
	[LOCAL] [SET] 1.2140	€ 1. LOCAL ≥1.2140 ≤
EURO 10 = USD 12.14	[SET] [ON/C]	€ ^{SET} 10.
	10 [€] [LOCAL]	LOCAL 12.14
USD 25 = EURO 20.59	25 [LOCAL] [€]	LOCAL 25. € 20.59

- It is not allowed to set the rate = 0

8. Cost-Sell-Margin Calculation

Selling price : \$1,000 Profit margin : 20% → Cost = 800 → Selling price-Cost = 200	1000 [SELL]	1000. SELL 1000.
	20 [MARGIN]	100. SELL 800. COST
	[MARGIN]	20 MAR% 200 MAR
Cost : 100 Selling price : \$125 → Profit margin = 20% → Selling price-Cost = 25	100 [COST]	100. COST 100.
	125 [SELL]	100. COST 20. MAR%
	[MARGIN]	20. MAR% 25. MAR