MS-6CO
User's Guide

CASIO®

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• Be sure to keep all user documentation handy for future reference.

▌Important Precautions

• If you suspect that the calculator is operating abnormally due to static electrical charge or some other problem, press C/AC twice to restore normal operation.
• Avoid dropping the calculator and otherwise subjecting it to severe impact.
• Never try to take the calculator apart.
• Wipe the unit with a soft, dry cloth to clean it.
• Replacing the battery or blocking the calculator from sunlight while battery power is low may cause your tax rate setting or memory contents to be changed or lost. Replace the battery as soon as possible when it becomes weak and correct the tax rate setting, if necessary.
• The contents of these instructions are subject to change without notice.
• CASIO COMPUTER CO., LTD. assumes no responsibility for any loss or claims by third parties which may arise from the use of this product.

▌Power Supply

Two-Way Power System provides power even in complete darkness.
• Always leave battery replacement up to an authorized dealer.
• The battery that comes with this unit discharges slightly during shipment and storage. Because of this, it may require replacement sooner than the normal expected battery life.

■ Auto Power Off Function

Auto power off: Approximately 6 minutes after last key operation

▌Tax Calculations

• To set a tax rate

Example: Tax rate = 0% → 5%

C/AC C/AC %(SET)(Until SET appears.) M+(TAX RATE)

TAX	SET	%
		0.

5* %(SET)

TAX		%
		5.

• You can check the currently set rate by pressing C/AC twice and then M+(TAX RATE).

▌Metric Conversion

• To enter the Metric Conversion Mode
Press CONV/M to toggle between the Metric Conversion Mode and the Memory Mode.
• The "CONV" indicator on the display indicates the Metric Conversion Mode.

• To set conversion rates
Value 1 (C1) is always 1. You can assign conversion rates to Value 2 (C2) and Value 3 (C3).
Example: You can setup the conversion shown below.
        1 lb (C1) = 16 oz (C2)

C/AC C/AC % (SET)(Until SET appears.) C2 16* % (SET)

C2	CONV RATE
	16.

• You can check the currently set rate by pressing C/AC twice and then C2 (C3).

* For rates of 1 or greater, you can input up to six digits. For rates less than 1 you can input up to 8 digits, including 0 for the integer digit and leading zeros (though only six significant digits, counted from the left and starting with the first non-zero digit, can be specified).
   Examples: 0.123456, 0.0123456, 0.0012345

▌Specifications

Power Supply: Two-Way Power System, with solar cell and one button type battery (LR54 (LR1130))
Battery Life: Approximately 3 years (1 hour operation per day)
Operating Temperature: 0°C to 40°C (32°F to 104°F)
Dimensions: 19.2 (H) × 87 (W) × 120.5 (D) mm ($3/4$"H × $3^9/16$"W × $4^3/4$"D)
Weight: Approximately 70 g (2.5 oz), including battery

			0.
$6 \div 3 \times 5 + 2.4 - 1 = 11.4$	6÷3×5+2.4−1=		**11.4**
$2 \times (-3) = -6$	2×3+/−=		**−6.**

1 + 5 = 6	5+ +1=	K	**6.**
3 + 5 = 8	3=	K	**8.**
7 − 6 = 1	6− −7=	K	**1.**
2 − 6 = − 4	2=	K	**− 4.**
3 × 2 = 6	2× ×3=	K	**6.**
4 × 2 = 8	4=	K	**8.**
15 ÷ 3 = 5	3÷ ÷15=	K	**5.**
21 ÷ 3 = 7	21=	K	**7.**

100 × 5% = 5	100×5%		**5.**
100 + (100 × 5%) = 105	100×5%+		**105.**
10 − (10 × 20%) = 8	10×20%−		**8.**
30 = 60 × ?%	? = 50	30÷60%	**50.**
12 = 10 + (10 × ?%)	? = 20	12−10%	**20.**

$120	? ($40)	120 ⊞ 25 %	160.
		⊟	40.
100%	←25%→		
? ($160)			

8 × 9 = 72	MRC MRC C/AC C/AC 8 ✕ 9 M+	M	72.
−) 5 × 6 = 30	5 ✕ 6 M-	M	30.
2 × 3 = 6	2 ✕ 3 M+	M	6.
48	MRC	M	48.

2 + 2̸ = 6 ④	2 ⊞ 3 C/AC 4 ═	6.
2 ⊬ 7 = −5 ⊖	2 ⊞ ⊟ 7 ═	−5.

99999999 + 1 = 100000000	99999999 ⊞ 1 ═	E	1.0000000
	C/AC C/AC		0.

Tax rate = 5%

$150 → ???

C/AC C/AC 150 TAX+

TAX+	
	157.5 *1

TAX+

TAX	
	7.5 *2

TAX+

TAX+	
	157.5 *1

$105 → ???

C/AC C/AC 105 TAX-

TAX-	
	100. *3

TAX-

TAX	
	5. *2

TAX-

TAX-	
	100. *3

*1 Price-plus-tax *2 Tax *3 Price-less-tax

Conversion rates
C1 (lb) = 1, C2 (oz) = 16, C3 (g) = 453.592

100 oz → ? lb (6.25)

C/AC C/AC 100 C2 C1

C1 CONV	
	6.25

C2

C2 CONV	
	100.

100 lb → ? oz (1600)

C/AC C/AC 100 C1 C2

C2 CONV	
	1'600.

C1

C1 CONV	
	100.

100 oz → ? g (2834.95)

C/AC C/AC 100 C2 C3

C3 CONV	
	2'834.95

C2

C2 CONV	
	100.

Conversion calculation formulas

C2, C3 → C1 A/B	C1 → C2, C3 A∗B	C2 → C3, C3 → C2 (A/X)∗Y

- A = Input or displayed value, B = Rate, X = **C2** or **C3** rate, Y = **C2** or **C3** rate, X ≠ Y

- Due to the number of significant digits in the value being converted (A) and the conversion rate (B), conversion calculations are performed using eight digits for calculation and six digits for the conversion rate.

Typical Conversion Rates
Conversion rates are rounded values in accordance with NIST Special Publication 811 (2008).

Length

	in	ft	yard	mile	cm	m	km
1 in =	1	0.0833333	0.0277778	0.0000158	2.54	0.0254	0.0000254
1 ft =	12	1	0.333333	0.0001894	30.48	0.3048	0.0003048
1 yard =	36	3	1	0.0005682	91.44	0.9144	0.0009144
1 mile =	63'360	5'280	1'760	1	160'934	1'609.34	1.60934
1 cm =	0.393701	0.0328084	0.0109361	0.0000062	1	0.01	0.00001
1 m =	39.3701	3.28084	1.09361	0.0006214	100	1	0.001
1 km =	39'370.1	3'280.84	1'093.61	0.621371	100'000	1'000	1

Weight

	oz	lb	g	kg
1 oz =	1	0.0625	28.3495	0.0283495
1 lb =	16	1	453.592	0.453592
1 g =	0.035274	0.0022046	1	0.001
1 kg =	35.274	2.20462	1'000	1

Speed

	m/s	km/h	ft/s	mph	knot
1 m/s =	1	3.6	3.28084	2.23694	1.94384
1 km/h =	0.277778	1	0.911344	0.621371	0.539957
1 ft/s =	0.3048	1.09728	1	0.681818	0.592484
1 mph =	0.44704	1.60934	1.46667	1	0.868976
1 knot =	0.514444	1.852	1.68781	1.15078	1

Volume

1 US Tea Spoon =	4.92892 ml
1 US Table Spoon =	14.7868 ml
1 US Cup =	236.588 ml
1 US fl oz =	29.5735 ml
1 US pint =	473.177 ml
1 US Quart =	946.353 ml
1 US Liquid Gallon =	3.78541 L

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