



DataSheet

M8

TRMS MULTIMETER

General specification

Voltage input end and maximum voltage:	CAT III 600V
Cartridge fuse:	F400mA/250V F10A/250V
Power supply:	1.5 V AAA batteries x 2
Maximum display:	3999
Overrange indication:	M OL "
Auto power-off:	about 15 minutes
Polarity display:	negative polarity displays M -"
Power undervoltage indication:	
Operating temperature:	0-40°C
Storage temperature:	-10°C-50°C
Dimension:	166mm X 78mm X 48mm
Weight:	about 268g

List of Accessories

Manual instructions X1

Test probe X 2

1.5V AAA battery X2

Bag

Technical specification

Degree of accuracy: % of reading numbers; the warranty period is 1 year from the date of delivery.

Ambient temperature: 18°C-28°C. Ambient humidity: <80%.

DC Voltage

Range	Resolution	Degree of accuracy
400mV	100μV	±(0.8% +2 digits)
4V	1mV	±(0.8% +2 digits)
40V	10mV	±(0.8% +2 digits)
400V	100 mV	±(0.8% +2 digits)
600V	1V	±(1.0% +2 digits)

DC Current

Range	Resolution	Degree of accuracy
400μA	0.1μA	±(1.0% +2 digits)
4mA	1μA	±(1.0% +2 digits)
40mA	10μA	±(1.5% +2 digits)
400mA	10μA	±(1.5% +2 digits)
10A	10mA	±(3.0% +2 digits)

Overload protection: F400mA/250V fuse; F10A/250V fuse.

AC Voltage

Range	Resolution	Degree of accuracy
40V	10mV	$\pm(1.2\% + 10 \text{ digits})$
400V	100mV	$\pm(1.2\% + 10 \text{ digits})$
600V	1V	$\pm(1.2\% + 10 \text{ digits})$

Frequency range: 40Hz-400Hz. Display: average value (RMS value of sine wave).

Resistance

Range	Resolution	Degree of accuracy
400 Ω	0.1 Ω	$\pm(0.8\% + 3 \text{ digits})$
4K Ω	1 Ω	$\pm(0.8\% + 3 \text{ digits})$
40K Ω	10 Ω	$\pm(0.8\% + 3 \text{ digits})$
400K Ω	100 Ω	$\pm(0.8\% + 3 \text{ digits})$
4M Ω	1K Ω	$\pm(1.0\% + 3 \text{ digits})$

Maximum open circuit voltage: 1.2V Overload protection: PTC 600V DC or AC RMS value.

Diode and Continuity

Function	
	The on resistance is about less than 50 Ω , and the buzzer is buzzing in the instrument.
	The approximate forward voltage value of diode is displayed.

Maximum open circuit voltage: 2.1V



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