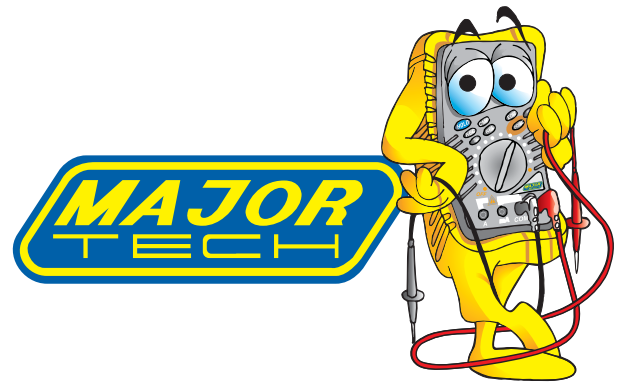


# General Purpose Multimeters



## Technical Data



### MT1883

The MT1883 is an average responding 2000 count DMM and has a large backlit LCD display. The meter measures AC voltage up to 700V and DC voltage up to 1000V, fused AC and DC current up to 10 Amps, temperature measurement in °C or °F, resistance, frequency measurement and capacitance measurement, plus a diode test function and continuity buzzer. The meter measures AC voltage and current for the frequency range of 50Hz to 400Hz. The MT1883 is the first choice for electronic technicians and electricians, including students studying electronics.

#### Features Include:

- IP67 Dust & Waterproof with O-Ring sealed casing
- Manual Range
- Measures Frequency 1Hz ~ 2000MHz on Electronic and Electrical Circuits
- Temperature between 20 °C to 760 °C
- Capacitance to 200µF
- Measures ACV to 700V and DCV to 1000V, fused AC and DC current up to 10 Amps
- Measures Resistance up to 40MΩ
- 2000 Count LCD
- Full Ranges Protection
- Overmould rubber housing
- Integrated Test Lead Holder
- Backlight for dimly lit areas

#### General Specifications

Enclosure	: Double molded, IP67 waterproof
Shock (Drop Test)	: 2 Meters
Display	: 2000 Count LCD display
Polarity	: Automatic; Minus (-) sign for negative
Overrange indication	: "1" is displayed
Measuring Rate	: 2 Times per second nominal
Low Battery Indication	: "⚡" is displayed if battery voltage drops below operating voltage
Battery	: One 9 volt (NEDA 1604) battery
Fuses	: mA/A ranges: 0.2A/250V A range: 20A/250V
Operating Temperature	: 5°C to 40°C
Storage Temperature	: -20°C to 60°C
Operating Humidity	: Max 80% up to 31°C decreasing linearly to 50% at 40°C
Storage Humidity	: 80%
Operating Altitude	: 2000 Meters maximum
Weight	: 375g
Dimensions	: 182 (H) x 81(W) x 50 (D) mm
Safety	: This meter is intended for origin of installation use and protected against the users by double insulation per ENS10101-1 and IEC61010



Measurement	Range	Resolution	Accuracy
<b>DC Voltage (Auto-ranging)</b>	200.0mV	0.1mV	± 0.5% of rdg ± 2 dgts
	2.000V	1mV	
	20.00V	10mV	
	200.0V	100mV	
	1000V	1V	± 0.8% of rdg ± 2 dgts
<b>AC Voltage</b>	2.000V	1mV	± 1.0% of rdg ± 3 dgts
	20.00V	10mV	
	200.0V	100mV	
	700V	1V	± 12% of rdg ± 5 dgts
<b>DC Current</b>	2000mA	1µA	± 1.0% of rdg ± 3 dgts
	200.0mA	100µA	± 1.5% of rdg ± 3 dgts
	10.00A	10mA	± 2.5% of rdg ± 10 dgts
<b>AC Current</b>	2.000mA	1µA	± 1.2% of rdg ± 3 dgts
	200.0mA	100µA	± 2.0% of rdg ± 3 dgts
	10.00A	10mA	± 3.0% of rdg ± 10 dgts
<b>Temperature</b>	-20°C ~ 760°C	1°C	± 3.0% + 5°C
	-4°F ~ 1400°F	1°F	± 3.0% + 9°F
<b>Resistance</b>	200.0Ω	0.1Ω	± 1.0% of rdg ± 4 dgts
	2.000kΩ	1Ω	± 1.0% of rdg ± 2 dgts
	20.00kΩ	10Ω	± 1.2% of rdg ± 2 dgts
	200.0kΩ	100Ω	
	2.000MΩ	1kΩ	
	20.00MΩ	10kΩ	± 2.0% of rdg ± 5 dgts
<b>Capacitance</b>	2.000nF	1pF	± 4.0% of rdg ± 70 dgts
	20.00nF	10pF	± 4.0% of rdg ± 3 dgts
	200.0nF	0.1nF	
	2.000µF	1nF	
	200.0µF	0.1µF	> 20µF - ± 4.0% of rdg ± 15 dgts < 21µF - Unspecified
<b>Frequency</b>	2000Hz	1Hz	± 1.5% of rdg ± 5 dgts
Measurement	Test Current	Resolution	Accuracy
<b>Diode Test</b>	1mA typical	1mV	± 10% of rdg ± 5 dgts

## Ordering Information

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