

**TRUERMS**



MT1881

## INDUSTRIAL DMM



The MT1881 is a True RMS professional multimeter having a large 6000 count backlit LCD with a 61 segment analogue bar graph, especially designed for everyday use by electricians. Capable of measuring 1000V AC and DC, with added measuring ranges of Resistance, AC/DC Current, Capacitance and Frequency. The meter has been designed that should a user turn the rotary switch in any direction whilst an input of less than 1000V AC/DC is applied to the meter, the meter will not get damaged. NCV function, automatic Non-Contact voltage detection, the LCD backlight will glow red when AC voltage above 110V is sensed. The meter has a double moulded rubber case with IP67 waterproof and dustproof rating, rugged design for heavy duty use.

### Features

- NCV detection above 110V AC, LCD turns red to indicate presence of voltage
- IP67 Dust & waterproof with O-ring sealed casing
- Auto range with manual override
- Measures frequency range of 10Hz to 10MHz on electronic and electrical circuits
- Measures AC and DC voltage to 1000V
- Capacitance to 4000µF / Relative mode / Data hold
- MIN/MAX recording mode
- 6000 Count LCD display and equipped with a 61 segment analogue bargraph
- Full ranges protection & Auto power off
- Overmould rubber housing & Integrated test lead holder
- Blue backlight for dimly lit areas

Function	Range	Accuracy
DC Voltage	600.0mV - 1000V	±(0.5% +5)
AC Voltage	6.000V - 1000V	±(0.8% +4)
AC Voltage VFD	50V - 600V	±(4% + 9)
DC Current	600.0µA - 10A	±(0.1% +3)
AC Current	600.0µA - 10A	±(1.5% +3)
Resistance	600.0Ω - 60.00MΩ	±(0.8% +2)
Frequency	9.999Hz - 9.999MHz	±(1% +3)
Capacitance	40.00nF - 4000µF	±(4% +5)
Size	187 x 81 x 51mm	
Weight	342g	

**TRUERMS**



MT1882

## INDUSTRIAL DMM



The MT1882 is a True RMS professional multimeter especially designed for everyday use by HVAC technicians and electricians, whilst offering voltage measuring ranges up to 1000V AC and DC and with useful measuring ranges of Temperature, Resistance, AC/DC Current, Capacitance and Frequency. NCV function, automatic Non-Contact voltage detection, the LCD backlight will glow red when AC voltage above 110V is sensed. The large 6000 count backlit LCD display with a 61 segment bargraph ensures that readings are easy to read under all circumstances. The meter has been designed that should a user turn the rotary switch in any direction whilst and input of up to 1000V AC/DC is applied to the meter, the meter will not get damaged. The meter has a double moulded rubber case with IP67 waterproof and dustproof rating, rugged design for heavy duty use.

### Features

- IP67 Overmould Dust & waterproof
- Auto range with manual override
- Temperature between -20 to 1000°C
- Measures frequency range of 10Hz to 10MHz on electronic and electrical circuits
- Measures AC and DC voltage to 1000V
- Capacitance to 4000µF / Relative mode / Data hold
- NCV detection above 110V AC, LCD turns red to indicate presence of voltage
- MIN/MAX recording mode
- Measures resistance up to 60MΩ
- 6000 Count LCD display with a 61 segment analogue bargraph
- Full ranges protection & Auto power off

- Integrated test lead holder
- Blue backlight for dimly lit areas

Function	Range	Accuracy
DC Voltage	600.0mV - 1000V	±(0.5% +2)
AC Voltage	6.000V - 1000V	±(0.8% +4)
AC Voltage VFD	50V - 600V	±(4.0% +9)
DC Current	600.0µA - 10A	±(1.0% +3)
AC Current	600.0µA - 10A	±(1.5% +3)
Resistance	600Ω - 60.00MΩ	±(0.8% +2)
Temperature	-20 to 1000°C	±(3.0% +5)
Capacitance	40.00nF - 4000µF	±(1.0% +5)
Frequency	9.999Hz - 9.999MHz	±(4.0% +3)
Size	187 x 81 x 50mm	
Weight	342g	

**TRUERMS**



MT1877

## INDUSTRIAL DMM



The MT1877 DMM is a 4000 count True RMS auto ranging multimeter, with manual override. This meters offers a great feature of measuring frequency on AC voltage and current with the range of 50Hz to 400Hz. The large LCD display with clear range annunciations and backlight ensure that readings are easy to read under all circumstances. This meter ensures that if the rotary switch is turned in any direction whilst signals less than 1000V AC/DC are input into the meter, the meter will not be damaged. It is even protected against measuring voltage if the knob is set on the ohms range accidentally. This meter is perfect for technicians in maintenance, facility maintenance, installation and production equipment maintenance.

### Features

- IP67 Dust & Waterproof with O-Ring sealed casing
- NCV detection above 110V AC, LCD turns red to indicate presence of voltage
- Auto Range with Manual Override
- Measures Frequency range on Electronic and Electrical Circuits
- Capacitance to 100µF
- Measures AC and DC Voltage to 1000V
- Relative Mode
- Data Hold / Duty Cycle
- NCV detection above 110V AC
- 4000 Count LCD
- Full Ranges Protection
- Auto Power Off

- Overmould rubber housing
- Integrated Test Lead Holder
- Blue backlight for dimly lit areas

Function	Range	Accuracy
DC Voltage	400.0mV - 1000V	±(0.5% +5)
AC Voltage	400.0mV - 1000V	±(0.8% +8)
DC Current	400.0µA - 10A	±(1.0% +3)
AC Current	400.0µA - 10A	±(1.5% +3)
Resistance	400.0Ω - 40.00MΩ	±(0.8% +2)
Frequency	9.999Hz - 10.00MHz	±(1.0% +5)
Capacitance	99.99nF - 99.99mF	±(4.0% +5)
Size	187 x 81 x 50mm	
Weight	375g	