



## MT1877 Industrial Multimeter *TRUERMS*

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
- When AC voltage measured, LCD turns red to indicate presence of voltage
- Non contact voltage detector, LCD turns red
- Auto Range with Manual Override
- Measures Frequency range on Electronic and Electrical Circuits
- Capacitance to 100 $\mu$ F
- 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
- Overmoulded rubber housing
- Integrated Test Lead Holder
- Blue backlight for dimly lit areas

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

IEC  
61010-1  
CAT IV  
600V

IEC  
61010-1  
CAT III  
1000V

IP67  
Waterproof  
Dustproof



4000 Count Backlit  
LCD Display



NCV Detection



IP67 Dust & Waterproof  
Double Moulded Housing

**MT1877 | 1000V AC/DC Industrial Multimeter**

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