

True RMS Industrial Multimeter

Rugged problem solver on production equipment



Technical Datasheet



MT1007

The MT1007 is a professional True RMS Industrial Multimeter that accurately measures AC/DC voltage and current on complex signals or non-linear loads providing fast A/D converting sample time. This meter gives you 50 000 count resolution with full graphics LCD display with built-in datalogging and Trend Capture features. The MT1007 has an Auto Zero and Peak Hold function with calibration mode and measures resistance, continuity, diode, frequency, duty cycle, min/max and average recordings with Time Stamp function to record signal fluctuations. The MT1007 can trace any interrupted problems of equipment without supervision. This meter plots measurements as a single line to help detect signal anomalies over time and can store up to 10 000 recorded events. The MT1007 can log multiple sessions or log data continuously for over 200 hours. Enabling the user to save and name the measurements so it can be recalled at any time.



Features

- True RMS AC/DC voltage and AC/DC Current measurements
- 50 000 Counts, full graphics LCD display with white backlight
- Measures resistor, diode, capacitance, frequency and duty cycle
- Trend Capture and Bluetooth Interface
- Log multiple sessions or log data continuously for over 200 hours
- Real time clock for automatic time stamping of saved readings
- Min/Max/Average with Time Stamp to record signal fluctuations
- Temperature measurement with K-type temperature probe
- Peak hold function with calibration mode / Auto Zero function
- IP67 waterproof with double moulded plastic housing

TRUERMS



Specifications

FUNCTION	RANGE
DC Voltage	: 1000V
AC Voltage	: 1000V
DC Current	: 10A
AC Current	: 10A
Resistance	: 50MΩ
Frequency	: 10MHz
Capacitance	: 10mF
Temperature (type-K)	: 50°C - 1000°F
	: 58°C - 1832°F
Size (L x W x D)	: 220 x 96 x 60mm
Weight	: 631g



Full graphics LCD display



Bluetooth Interface



Real-time data Recording



Trend Capture



Fast Response Time



Multifunction Selectable

Standard Accessories

Hard plastic carrying case, Modular test lead set, Crocodile clip set, 40MHz Oscilloscope Probe and 4mm Probe to Oscilloscope adaptor, K-Type wire probe, K-Type adaptor, 100V 240VAC Charging unit, Software & Instruction manual.

Optional Accessories

MTMAG Magnetic strip, MT670 K-Type surface probe, MT680 K-Type air probe, MT682 K-Type pipe clamp probe, MT684 IR probe -30°C ~ 550°C, MT685 K-Type general purpose probe and MT690 K-type probe kit.