

True RMS Multimeter & Oscilloscopemeter

With TFT colour display



Technical Datasheet



MT1009

This high accuracy True-RMS multimeter has a fast sampling time, built-in data logging and Trend Capture features, plus it includes a 10MHz oscilloscope displayed on a colour screen. Using Bluetooth technology the captured data can be transferred to a computer for analysis of the datasheets. The oscilloscope function has a 10MHz bandwidth with a 50MS/s Real Time sample rate and cursors to assist the user with zoom in measurements - all displayed on a colour TFT display! With TFT colour display, this meter enables the user to trace and identify problems on equipment, and with the data logging & Trend Capture functions, it can be utilised as a standalone unit to log events! The meter is housed in a double moulded rubber casing with an IP67 waterproof design.



Features

- Large 50 000 Count 320 x 240 TFT colour LCD display / Low pass filter / IP67 Rating
- 10MHz / 50MS/s Bandwidth / Real time sample rate
- Logging function with TrendCapture for easy review of logged data
- Bluetooth PC interface for easy data transfer & accuracy calibration
- 100kHz Bandwidth (voltage/current)
- AC, AC + DC, True RMS measurements
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Motor winding and low ohm (50Ω) measurement range
- The Meterbox software supports bluetooth products transferring the measured data to the customers' smart phone

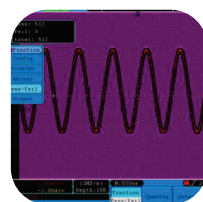
Specifications

Multimeter

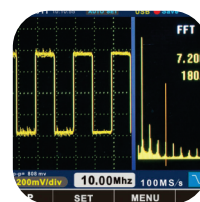
FUNCTION	RANGE
DC Voltage	: 1000V
AC Voltage	: 1000V
DC Current	: 10A
AC Current	: 10A
Resistance	: 50MΩ
Frequency	: 10MHz
Capacitance	: 10mF
Temperature	: -200°C ~ 1350°C

Oscilloscope

FUNCTION	RANGE
Display size	: 3.5" Colour LCD
	: 320 x 240 pix
Bandwidth	: 10Hz ~ 10MHz
Real time sample rate	: 500S/s ~ 50MS/s
Rise time	: 17.5ns
Channels	: 1
Size (L x W x D)	: 220mm x 96mm x 60mm
Weight	: 631g



Fast response time



10MHz Oscilloscope function



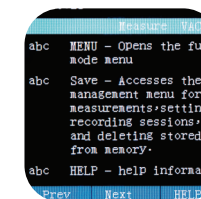
Trend Capture function



Bluetooth PC Interface



High Resolution & Accuracy



Help Menu

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.

