

# True RMS Multimeter & Oscilloscope

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

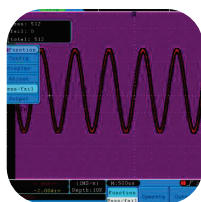
### Specifications

#### Multimeter

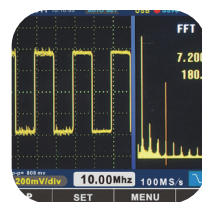
| FUNCTION    | RANGE             |
|-------------|-------------------|
| DC Voltage  | : 1000V           |
| AC Voltage  | : 1000V           |
| DC Current  | : 10A             |
| AC Current  | : 10A             |
| Resistance  | : 50MΩ            |
| Frequency   | : 10MHz           |
| Capacitance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

#### Oscilloscope

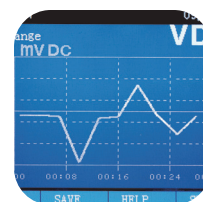
| FUNCTION              | RANGE                 |
|-----------------------|-----------------------|
| Display size          | : 3.5" Colour LCD     |
|                       | : 320 x 240 pix       |
| Bandwidth             | : 10Hz ~ 10MHz        |
| Real time sample rate | : 500S/s ~ 50MS/s     |
| 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



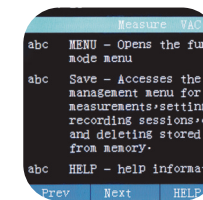
Trend Capture function



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.

