# MT255
# AC Power Data Logger

TRUE RMS

The MT255 AC Power Data Logger with Bluetooth integration is designed for precise monitoring and recording of key electrical parameters, including RMS Voltage, RMS Current, Hz, Apparent Power (kVA), Active Power (kW), Active Energy (kWh) and Power factor. Equipped with built-in flash storage, it ensures data retention even during power loss, making it ideal for long-term logging in various environments. The device offers real-time data display via the Meter-X mobile app, compatible with both Android and iOS, and allows detailed graphical analysis of recorded data through the provided PC software. With three recording modes and two storage modes, the MT255 can be tailored to record at specific intervals or trigger based on voltage or current thresholds. Its flashing LCD alerts users to active recording, ensuring continuous awareness of ongoing measurements. The MT255 is suitable for a wide range of applications, from routine electrical maintenance by technicians and electricians to more general use by contractors and consumers, ensuring reliable and accurate monitoring of AC voltage and current in various settings.

## Features

- Records AC RMS Voltage, AC RMS Current, Hz, Apparent Power (kVA), Active Power (kW), Active Energy (kWh) & Power Factor
- Bluetooth integration with the Meter-X app is designed for real-time precise monitoring and recording of key electrical parameters
- Transfer reports via the Meter-X app or the PC interface
- Large Backlit LCD displaying real-time measurements
- Three recording modes: Interval / Trigger / Capture
- Two storage modes with a total memory of 25 350 spaces
- Maximum Recording Time is approximately 72 hours
- LCD flashes to alert users when recordingsare triggered
- Magnets on back of meter for easy attachment
- Clamp Adaptor equipped with a NCV detector
- Automatic shutdown after 10 minutes (after no input while not recording)

| Function | Range |
|---|---|
| AC Current (RMS) | 0.1A to 400.0A |
| AC Voltage (RMS) | 0.1V to 1000.0V |
| Frequency | 40 - 400 Hz |
| Allowable Input | 45-60Hz, Sine wave, RMS (up to 100% of Channel Range) |
| Active Power | 0.001kW to 400.0kW |
| Apparent Power | 0.001kVA to 400.0kVA |
| Active Energy | 0.001kWh to 9999kWh |
| Power Factor | -1.00 to 1.00 |
| Sampling Period | 100ms (Interval/Trigger) & 1ms (Capture) |
| Display | LCD |
| Grouped Data Sets | Max. 25 350 (Interval), Fixed at 200 (Trigger/Capture) |
| Data Groups | Max 1000 |
| Wiring Channel | 2 Channel |
| Communication | USB to PC and Bluetooth Meter-X App |
| Display Update Period | Real Time |
| Measuring Time | Approx. 72 Hours |
| Batteries | 4 x AAA |
| Dimensions | 114 x 63 x 34mm |
| Weight | 248g |

**USB Port & Software for PC**

**LCD Display**

**Voltage & Current Channel**

**Non-Contact Voltage**

**Magnetic Back Plate for Easy Attachment**

**Download the Major Tech Meter-X App**

IEC 61010-1 CAT IV 600V

IEC 61010-1 CAT III 1000V

## MT255 | AC Power Data Logger

4.0 Bluetooth Interface

2 YEARS WARRANTY LIMITED