

## Engineer DMM True RMS Digital Multimeter



- 6000 count, True RMS digital multimeter with a backlit LCD display
- Non-contact voltage detection for added safety
- Temperature measurement capability ranging from -40°C to 1000°C
- Resistance, diode test, and continuity check functions available
- Capacitance measurement range from 10nF to 100mF
- Frequency measurement and duty cycle calculation (Hz / %) from 9.999Hz to 55.00KHz
- AC/DC voltage measurement up to 1000V, with frequency and percentage selectable options
- AC/DC current measurement up to 10A with auto/manual selection and an external clamp adapter for 600A current
- Additional features include data freeze/hold, auto power-off after 5 minutes, relative reading (REL), and diode check at 3.0V

## **Description**

The Socket & See Engineer DMM is a versatile and reliable digital multimeter designed with exceptional functionality in mind. It offers auto/manual voltage selection, allowing measurements up to 1000V, covering a wide range of electrical applications. Current measurement capabilities extend to microamps, milliamps, and currents of up to 10A (600A with clamp adaptor), in both AC and DC modes.

Advanced features include AC voltage waveform analysis, resistance measurement up to 60 megohms, and a built-in continuity check for simplified circuit testing. Safety is prioritised with non-contact voltage detection (NCV) technology, alerting users to AC voltages above 100V without direct contact. Visual and audible indicators provide assurance during electrical inspections, and the non-contact frequency (NCF) detection feature allows measurement of frequencies from 45 to 75 Hz (50 to 500 VAC).

Convenience features enhance usability, such as the freeze/hold reading function for easy data capture and analysis, auto power-off to conserve battery life, and a backlit LCD display for clear visibility in various lighting conditions. The multimeter also includes a relative reading (REL) mode for differential analysis and supports temperature measurement from -40°C to

1000°C, with the included K-type thermocouple extending the range to 250°C.

The Engineer DMM is a reliable tool suitable for professional electricians and engineers alike. With its precision, wide range of measurement options, and user-friendly interface, it ensures accurate measurements and enhances productivity in various electrical applications.

## **Specifications**

Ceramic Fuses

Power Supply 1 x 9V (6F22 / 6LR61) battery Low battery Indication 2.6 V appox

Overvoltage category CAT III 1000V (CAT IV 600V)

Operating Temperature 0 - 40°C Storage Temperature -10 to 60°C

Operating Humidity 80% @ 31°C to 50% @ 40°C

Safety Compliance

EMC Compliance

BSEN 61010-2-030:2010

BSEN 61326-2-2:2013

Test Leads

Dual insulated

1000V, F,600mA (Ø6x32mm) 1000V, F, 10A (Ø10x38mm)

Probes GS38 Compliant
Dimensions (mm) 188 x 96 x 56
Weight (g) 415 Without battery

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