



A very high quality earth leakage clamp meter with resolution down to 0.01mA and an accuracy of up to 0.05mA. Ideal for identifying appliances or circuits which are causing RCDs to trip.

Comparator (setting 1mA to 20mA): Buzzer sounds when an input is greater than the set value.

Data Hold and Min/Max key: DH key fixes display, Min/Max key measures minimum and maximum values.

Measures up to 600V AC.

Autoranging.

Low Pass Filter (LPF): Eliminates high frequencies.

Auto Power Save.

## SPECIFICATIONS

**Display:** 3200 count LCD, 8.8mm high.

**Units and Symbols:** mA, A, V, ~, DH, MAX, MIN, COMP, AUTO, BAT, PH and decimal point.

**Operating Principle:** Dual Slope Integration.

**Range Selection:** Autoranging.

**Sampling Rate:** 2 times/sec.

**Overload Indication:** -OL- symbol shows (except on 60A).

**Operating Environment:** 0°C to 40°C at <80% R.H.

**Battery Warning:** BAT symbol shows when battery voltage is less than 2.5V  $\pm 0.1V$ .

**Display Hold:** DH symbol shows and display is held.

**Filter Selection:** LPF (Low Pass Filter) cuts off higher frequencies above approx. 150Hz.

**Influence of External Magnetic Field:** Less than 2mA against 100A AC conductor close to the clamp head.

**Storage Conditions:** -20°C ~ 60°C, less than 70% RH non-condensing.

**Safety Level:** BS EN 61010 overvoltage Category 3, class 2, double insulated, EMCD test passed.

**Power Consumption:** Approx. 5mW, (60mW for buzzer operation) 500 hours continuous operation.

**Auto Power Save:** Power turns off automatically (enters sleep condition of 0.05mW battery consumption) after about 30 minutes from Power-on or any other switch operation.

**Power Hold (PH):** Turn on POWER switch with DH key pressed. PH symbol shows on LCD and continuous measurements longer than 30 minutes are available.

**Conductor Diameter:** Max. 30mm  $\varnothing$ .

**Dimensions & Weight:** 212 x 42 x 30mm, 220g.

**Accessories Supplied:** Two 1.5V (AA) batteries, carrying case, test leads and instruction manual.

**Optional Accessories:** TL55 fused leads.

### AC CURRENT (~mA):

**Ranges:** 30mA, 300mA

**Resolution:** 0.01mA on 30mA, 0.1mA on 300mA range

**Accuracy 50/60Hz:**  $\pm 1.0\% \pm 5$  dgts

**Maximum Value:** 320mA

**Overload protection:** 100A (600V line) for 1 minute

**Frequency Characteristics:** 1.0%  $\pm 3$  dgts added at 50Hz~400Hz

**Filter In Use:** 1.0%  $\pm 3$  dgts added at 50/60Hz

### AC CURRENT (~A):

**Ranges:** 30A, 60A

**Resolution:** 0.1A, 0.01A on 30A range

**Accuracy 50/60Hz:** 0~30A  $\pm (1.5\% \pm 5$  dgts)

30.1~50.0A  $\pm (2.0\% \pm 5$  dgts)

50.1~60.0A  $\pm (5.0\% \pm 5$  dgts)

**Maximum Value:** 60A

**Overload protection:** 100A (600V line) for 1 minute

**Frequency Characteristics:** 1.0%  $\pm 3$  dgts added at 50Hz~400Hz

**Filter In Use:** 1.0%  $\pm 3$  dgts added at 50/60Hz

### AC VOLTS (~V):

**Ranges:** 300V, 600V

**Resolution:** 0.1V on 300V range, 1V on 600V range

**Accuracy 50/60Hz:**  $\pm 2.0\% \pm 5$  dgts

**Maximum Value:** 600V

**Overload protection:** AC 900V for 1 minute

**Frequency Characteristics:** 1.0%  $\pm 3$  dgts added at 50Hz~400Hz

**Filter In Use:** 1.0%  $\pm 3$  dgts added at 50/60Hz