

LCD Digital Bench Meters

Voltmeter

Specification

- Input voltage range 0 - 19.99V dc
- Input resistance 10M Ω
- Accuracy +/- 0.02V
- Over-voltage protection 50V
- Leading zero suppression
- Reverse polarity indication

The liquid crystal display used in the meter shows a minus sign to indicate reverse polarity at the input terminals. Should the input voltage rise to above 19.99V, the display will show -1. The voltmeter is designed for direct current use only.

Ammeter

Specification

- Input current range 0-10A dc
- Input resistance approximately 0.01 Ω
- Accuracy +/- 0.02A
- Leading zero suppression
- Reverse polarity indication

The liquid crystal display used in the meter shows a minus sign to indicate reverse polarity at the input terminals. Should the input current rise to above 19.99A, the display will show -1. Although designed for operation up to 10A, it is possible to use the meter to read currents up to 19.99A provided the meter is only used for a brief period of time. Prolonged usage at currents greater than 10A will cause excessive heating of the internal shunt element and may lead to damage. The ammeter is designed for direct current use only.

Battery Replacement

The units are operated from a PP3 battery which should be replaced if the meters start reading too high or the display starts to fade. Replacement battery may be Zinc Chloride, Alkaline or Nickel Cadmium types. Due to the possibility of electrolyte leakage, Zinc Carbon batteries are not recommended. The battery compartment is located on the underside of the units and has room for a spare battery if required.