# Meter Amps Digital

20A. AC.


**LB2125-001**

## Description:

This Australian made IEC Digital Ammeter is an accurate, rugged, reliable, broad range general purpose digital instrument for laboratory or classroom use and is designed to be almost indestructible in the hands of students. They are almost INDESTRUCTABLE.

There are no ranges to select and polarity can be reversed.

Connection by 4mm banana safety sockets is provided so that cables with either safety plugs or normal banana plugs can be used. To conserve battery, the meter features AUTO POWER OFF and pressing ON button provides 20 minute run time. When OFF, pressing button always provides a further 20 minutes.

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| Length: 120mm | Width: 100mm | Height: 40mm | Weight: 200g |

## Specifications and Features:

Meters are colour coded to be identified in the classroom from a distance. AC Voltmeters have a striped mustard / blue coloured band and Ammeters have a striped green / blue coloured band.

Very large lettering indicating their ranges and resolutions also assist in identification.

Other instruments that IEC is planning will have different coloured bands on their front panels.

**Display:** Large 3-1/2 digit LCD display reading up to 19.99 Amps.

**Shunt:** Super low resistance shunt is able to carry up to 50 amps. The microscopic amount of resistance added to the current circuit will have no measurable affect.

**Range:** 19.99 Amps AC. RESOLUTION: 0.01 Amps (10 milliamp)

**Battery:** Std. 9V battery, type 216. When almost flat, display indicates 'LoBat'. To replace the battery, remove the 2 small screws on the rear panel and slide the panel until the 4 small latches release. Lift out the panel.

**Auto Off:** It is very important for the classroom to conserve battery life of the meter. When OFF, if the button is pressed, meter is ON for further 20 minutes.

Note: Pressing the button does not ADD 20 minutes to remaining time.

**Over Range:** If current exceeds 20A, AC. small red LED indicates as warning but there will be no damage to the meter itself.

## Note to Teachers: Their use in the classroom.

It is expected that after the students have been taught the meanings of the electrical units and how to select various units and ranges on multi-meters and so on, there would be a desire to then use meters as a tool inside experiments to quickly obtain results rather than battling the mysteries of ranges with the students class after class.

These are the meters to wire up into experiments and get the correct results every time.

They may be more expensive that the hundreds of analog meters that you buy and throw away as they are destroyed in students' hands, but they will be found to be excellent value for money because they are almost INDESTRUCTABLE.

Designed and manufactured in Australia