



# Demonstration Multiscale Multimeter

## Cat. No. 1052037

### Introduction:

The Demonstration Multiscale Meter is supplied with five double sided meter scales which are easily attached into slots behind the clear meter to allow a large and varied amount of electrical measurement in both DC volts and DC amps.

The scales correlate to the ranges on the A-V Extension Box and are as follows:

- 0 - 3 volts DC and 0 - 30 volts DC
- 0 -10 volts DC and 0 - 100 volts DC
- 0 -1 amp DC and 0 -100 mA DC
- 0 - 5 amps DC and 0 -10 amps DC
- 0 - 50 mA DC and 500 - 0 - 500  $\mu$ A or 0-100 mV DC

**In the 500 - 0 - 500  $\mu$ A range the unit can be used as a Galvanometer!**

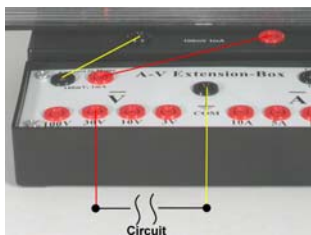
### Setting Up the Meter



Note that the A-V Extension Box which attaches to the front of the meter is divided into two parts:

A-V Extension Box

On the LEFT are the external voltage connections to the circuit you are measuring with the COMMON or NEGATIVE in the centre. The NEGATIVE is common to both amps and voltage work and is used wherever a negative return is required.

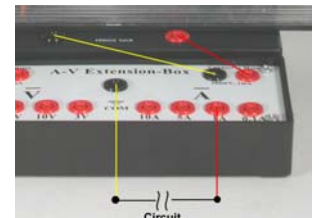


In the TOP LEFT of the A-V Extension Box Panel are two terminals black and red Connect these to the red and black sockets on the meter whenever you are measuring voltage

**PLEASE OBSERVE THE POLARITY or the Terminal socket colours.**

In the TOP RIGHT of the A-V Extension Box Panel are two red and black sockets which must be used whenever you are measuring amperage.

**Again PLEASE OBSERVE THE SOCKET COLOUR POLARITY.**



This meter is designed so that adjustment of the meter movement to zero prior to circuit connection... simply move the red knob at the back of the meter as required to acquire a zero reading.

**As is the case with all precision measuring instrument please handle the unit with care and avoid rough handling.**

The meter is supplied with 5 x Scale Panels giving 10 scales in all, the Meter movement, the A-V Extension Box and two sets of connecting leads to allow easy connection of the A-V Box to the Meter and from the A-V Box into your circuit.

**THIS UNIT MUST NEVER BE CONNECTED DIRECTLY TO 240 VOLT MAINS SUPPLY UNDER ANY CIRCUMSTANCES.**

For other specialist electrical measuring equipment please refer to the Serrata General catalogue or go to our website [www.serrata.com.au](http://www.serrata.com.au)



Back of Meter

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