Specifications

Features

- Measure 0-40 amps and 0-400 amps AC or DC
- Low battery indication
- DC amp zero adjust knob

Measuring Ranges

AC Amps 0 - 40A on 200mV or 400mV AC range
0 - 400A on 2V or 400mV AC range

DC Amps 0 - 40A on 200mV or 400mV DC range
0 - 400A on 2V or 400mV DC range

Output

AC Amps 1mV AC per 1A AC
DC Amps 1mV DC per 1A DC

Output

AC Amps 1mV AC per 1A AC
DC Amps 1mV DC per 1A DC

Accuracy

40A: +/-(1.5% of reading + 2 least significant digits)
400A: +/-(1.5% of reading + 4 least significant digits)

Operating Temperature

+32°F to 122°F (0°C to 50°C)

Accessories

9V Battery AB9
110V AC Line Splitter ALS1

Measuring AC Current

1. Observing the polarity markings on the CA30 connector, plug the test lead into the input jacks on your digital multimeter. The "-" on the CA30 connector plugs into the "COM" jack and the "+" plugs into the "V/Ω" jack on your multimeter.
2. Set your digital multimeter to one of the following ranges:

   200mV AC for measuring 0 to 40ACA
   2V AC for measuring 0 to 400ACA
   400mV AC for measuring 0 to 40 or 0 to 400ACA
3. Clamp the jaw of the CA30 around a single current carrying wire.

   NOTE: *Clamp around only one wire at a time. If the CA30 is clamped around two or more wires it will not work properly.*
4. Take the reading directly from the digital multimeter's display.

   NOTE: *1mV = 1A.*

Measuring DC Current

1. Observing the polarity markings on the CA30 connector, plug the test lead into the input jacks on your digital multimeter. The "-" on the CA30 connector plugs into the "COM" jack and the "+" plugs into the "V/W" jack on your multimeter.
2. Set your digital multimeter to one of the following ranges:

   200mV DC for measuring 0 to 40DCA
   2V DC for measuring 0 to 400DCA
   400mV DC for measuring 0 to 40 or 0 to 400DCA
3. Turn the CA30 to the 40 or 400 range.Turn the zero adjust knob on the CA30 until the display on the multimeter reads zero.
4. Clamp the jaw of the CA30 around a single current wire.

   NOTE: *Clamp around only one wire at a time. If the CA30 is clamped around two or more wires it will not work properly.*

5. Take the reading directly from the digital multimeter's display.

   NOTE: *1mV = 1A.*

Low Battery Indication

When the low battery indicator illuminates, replace the battery as soon as possible. A low battery can adversely affect readings.