

# ***i1000s***

## *AC CURRENT PROBE FOR OSCILLOSCOPES*

### Quick Reference Card

 **Read Safety Information found in the i1000s Users Manual before use.**

#### **OPERATION**

To make a measurement, follow these steps and refer to the illustration on the back. (Steps are identified in the illustration.)

- 1 Connect the i1000s Current Probe to the desired input channel on the oscilloscope.
- 2 On the Current Probe, select the least sensitive range (1 mV/A).
- 3 On your oscilloscope, select an appropriate range.
- 4 Clamp the probe around the conductor to be measured, and observe the current waveform on your oscilloscope display. For standard oscilloscopes, use a 1:1 probe setting. Not needed for Fluke ScopeMeter 123.

#### **MEASUREMENT CONSIDERATIONS**

Observe the following guidelines for positioning the Current Probe jaws:

- Carefully move the probe to center the conductor inside the jaws.
- Make sure the probe is perpendicular to the conductor.  
If possible, avoid measurements close to other current-carrying conductors.

On the Current Probe, the 1 mV/A range offers the best accuracy and least phase shift. When using the 1 mV/A probe range, use the “volts per division” adjustment on your oscilloscope for best display results.

