FLUKE®

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.

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