



THE EASTERN SPECIALTY COMPANY

# AC CURRENT PROBE

CAT. 411

## FUNCTIONALITY

The **TESCO AC Current Probe** is designed to extend current measuring capabilities of the CT Ratio/Burden Tester (Catalog No. 1047). The Current Probe is built to the latest safety and performance standards, including the CE Mark. Two different hook-shaped jaws are offered, both permitting the user to “pry” or “hook” onto cables (will accept 2 x 500MCM) or even onto small bus bars.

The AC Current Probe uses hall effect technology to measure AC current. The electronics and batteries are self-contained in the handles. The output of the AC Probe is 1mV/A and 10mV/A. The Current Probe measures to 400A AC.



## FEATURES

- Measurement range of 400A AC
- Distinct jaw shapes to be used for hooking or prying around the conductor
- Auto-zero push button
- Auto off after ten minutes
- Conforms to EN 61010, 600V, CAT III safety standard
- Low phase shift for power measurements
- mV output signals
- Double insulation
- CE Mark

## SPECIFICATIONS

- **Nominal Range:** 400A AC
- **Measurement Range:** 0.2 to 600A
- **Output Signal:** 60A: 10mV/A; 600A: 1mV/A
- **Accuracy (60A Range) - 0.5 to 40A:** 1.5% of Reading +/- 0.5A
- **Phase Shift (60A Range) - 10 to 20A:** 45 to 65Hz:  $\leq 3.5^\circ$   
- 20 to 40A:  $\leq 3^\circ$
- **Phase Shift (600A Range) - 10 to 100A:**  $\leq 3^\circ$  - 100 to 400A:  $\leq 2.5^\circ$
- **Overload:** 1000A AC continuous up to 1kHz
- **Load Impedance:** >100K $\Omega$ /100pF
- **Working/Common Mode Voltage:** 600Vrms
- **Battery:** 9V Alkaline (Approx. 50 hours of life)
- **Output Termination:** 5 ft. Lead
- **Operating Temperature:** 14° to 131°F (-10° to 55°C)
- **Storage Temperature:** -40° to 176°F (-40° to 70°C)
- **Jaw Opening:** 1.2" (31mm)
- **Maximum Conductor Size:** One 1.18" (30mm) or two 0.95" (24mm) or two bus bars 1.2" x 0.4" (31.5 x 10mm)
- **Dimensions:** 8.8" x 3.82" x 1.73" (224 x 97 x 44mm)
- **Weight:** 15oz. (440g)

