

CURRENT PROBES 93686-8 Current Probe

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ETS-Lindgren's Model 93686-8 Current Probes have a large 6.66 cm (2.625 in) window diameter, making it very versatile. The 93686-8 Current Probe is an RF sniffer probe designed to perform current conducted measurement in the frequency range 10 kHz to 250 MHz, including applications requiring the measurement of low duty cycle, high level pulsed currents. The 93686-8 Current Probe may be seen as a large window diameter substitute for the 91550-1 series, (appropriate frequency range and sensitivity must be selected from the available models). The larger diameter of this family is extremely useful when making common mode measurements as per MIL-STD-1399, Section 390, or for diagnostic purposes. This common mode test requires both EUT feeder and return to be routed through the probe window.

The 6.65 cm (2.62 in) window makes the 93686 series probes suitable for measurements on almost any size power or signal cable (AWG 4/0 cable, good for several hundred amps, is 12.7 mm (0.5 in) diameter, exclusive of insulation). Probe saturation current is compatible with the current carrying capacity of wires placed in its window. (Some of the models have lower saturation limits with 400 Hz power.)

Key Features

- For Standards Testing and Pre-compliance Applications
- Measures RF Current Without Direct Connection

Specifications

Electrical Specifications

Frequency Minimum: 10 kHz

Frequency Maximum: 200 MHz

Load Impedance: 50 +/- j0

Maximum Primary Current Amps:

- 400 Hz: 300
- DC-60 Hz: 300
- Pulse: 62
- RF(CW) : 62

Transfer Impedance: 8.0

Physical Specifications

Outside Diameter: 13.97 cm (5.50 in)

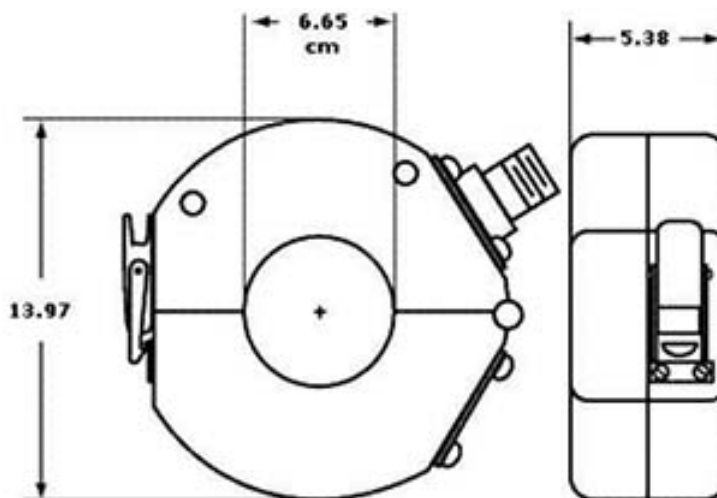
Window Diameter: 6.65 cm (2.62 in)

Weight: 2.27 kg 5.00 lb)

Width: 5.38 cm (2.12 in)

Product Charts

**93686-8 Current Probe
Diagram**



*All measurements are in centimeters

**Typical Current Probe
Transfer Impedance**

