

ElbowSense™ Metering Class Current Sensors with Extended Harmonic Response

Lindsey Systems offers metering class accuracy current for use in underground, pad-mount, and specific metal-enclosed applications. All current sensors are rated 600V and are intended to be used with either insulated medium voltage conductors.

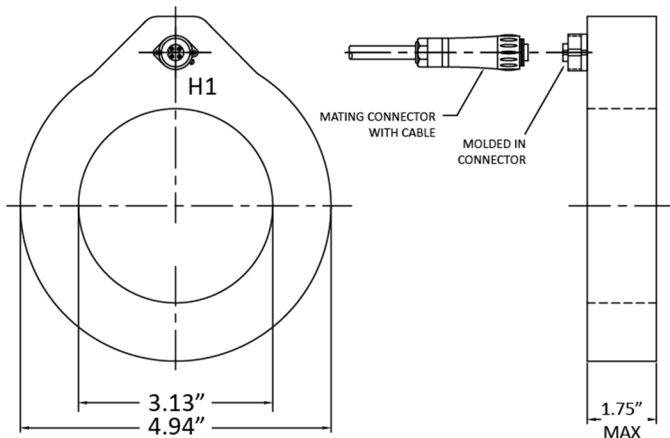
ElbowSense Ring-Style and Slim Ring-Style Current Sensors

This air-core CT based sensor is watertight and suitable for use in pad-mount, metal-clad, and submersible vault applications. It offers high accuracy, no phase shift, and flat harmonic response through the 80th harmonic.

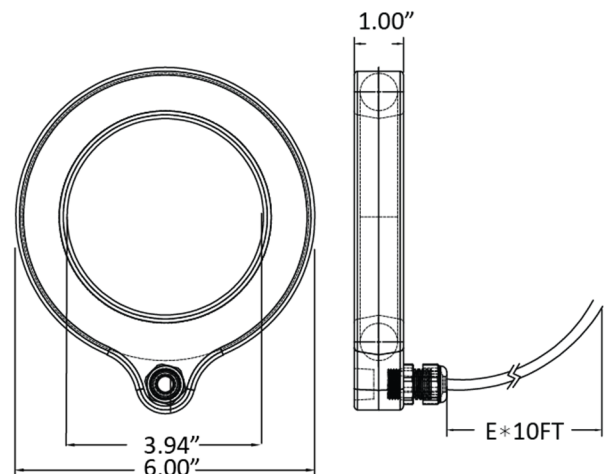
The M series current sensors offer 0.3% accuracy per IEEE Standard C57.13.

The R series current sensors meet the 0.15S accuracy definition per IEEE C57.13 and 0.1% accuracy class per IEC 61689-02.

Ring-Style sensors are available with cast-in cables or connectors. Slim Style sensors are only available with cast-in cables. Pigtail cable is included per ordered part number.



Ring-Style Current Sensor



Slim Ring-Style Current Sensor

ElbowSense™ Metering Accuracy Current Sensor Ordering

Part Number Sequence: A B 10 / C 0 D E

| A | | B | | 10 / | | C | | 0 | | D | | E | |
|---------------------|----------|---|----------|-----------------------|----------|-----------|--|--------------|--------------------------------------|---|--|---|--|
| Family | | Sensor Type | | Current Output Signal | | Connector | | Cable Length | | | | | |
| 95 Ring-Style | R | IEEE C57.13 0.15S and IEC 61689-2 0.1 Accuracy | | 3 | 600A:5A | 1 | Cast-in connector | 1 | 10 ft. (3m) | | | | |
| 95S Slim Ring-Style | M | IEEE C57.13 0.3 Accuracy | | 4 | 600A:1A | 2 | Cast-in pigtail cable of length "E" | 2 | 20 ft. (6m) | | | | |
| | | | | 5 | 300A:5A | | | X | X = Length in multiples of 10 ft. | | | | |
| Example | | | | | | | | | | | | | |
| 95R10/3011 | | | | | | | | | | | | | |
| 95 | R | 10/ | 3 | 0 | 1 | 1 | | | | | | | |

Example: 95R10/3011 is a ring-style metering accuracy current sensor, 600A:5A ratio, with a cast-in connector and supplied with a matching 10-ft cable.

Note: For other options, contact the Factory.

ElbowSense Current Sensor Specifications

| Sensor Style | Ring-Type | | |
|-----------------------------|--|---------|---------|
| Ratio | 600A:5A | 600A:1A | 300A:5A |
| Burden | See Plots | | |
| Accuracy | IEEE Std C57.13 0.15S or 0.3 IEC Std 61689-2 0.1 | | |
| Phase Shift | 0 degrees nominal, +/- 0.5° | | |
| Operating Temperature Range | -45°C / +80°C | | |
| Stated Accuracy Temperature | -40°C / +55°C | | |

Lindsey Manufacturing Co., dba Lindsey Systems
760 N. Georgia Avenue | Azusa, CA 91702 USA
Tel. +1-626-969-3471 | www.lindsey-usa.com

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Publication Number 09F-020 METERING RINGS • March 2025

