

Custom Flexible Rogowski Coils



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Features:

- 8 mm Thin Element
- Custom element sizes and cable lengths
- Excellent Linearity
- Insensitive to DC Components
- Internal Electrostatic Shield (min. 95% coverage)
- No Core Saturation or Damage if Overloaded
- Waterproof Design
- Typical Sensitivity 48uA/Aac
- No Clip Connector
- Integrators Available Powered via 2 x AA Batteries (2000hr min) or External Power

Safety
Double Insulated
Sensor: 1000V CAT III
Pollution Degree 2
IEC 61010

Environmental
IP65 per IEC 529
Altitude Operating 0-2000m

Electrical Specifications
Measurement Range 1 to 5000A
Linearity +/-0.3%
Phase Shift $<\pm 0.1^\circ$ at 50-60 Hz
Frequency Range 8 Hz to 20 kHz
Working Voltage Sensor: 1000 V AC to earth
Position Sensitivity
Conductor Inside Sensor: 0.5% typ, 4.0% max
Conductor Outside Sensor: 0.2% typ, 2.0% max

Specifications

Mechanical Specifications

Operating Temperature:

-4°F to 194°F (-20° to 90°C)

Temperature Sensitivity:

Sensor: 0.015% /°C typ, 0.05% /°C max

Materials:

Sensor Jacket: Polyurethane UL94V0

Connector: FR Polypropylene UL94V0

Std. Cable Jacket: Polyurethane UL94V0

Dimensions Min Sensor Length: 12 in (30.5cm). Maximum 100 FEET (or more)

Sensor Diameter 0.310 in. (7.9 mm)

Connector Dia: 1.07 in. max (17 mm)

Sensor output cable length: 48 in (1.2m) STD. (other lengths available)

Colors: Yellow sensor. Black connector, cable



No Clip Connector

