

RopeCT[®] AC Current Sensor RCS Rope Series Kits

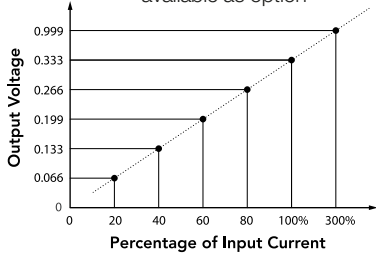
12 to 48 inch Rogowski Coils with Integrator

Magnelab RCS Series flexible RopeCT[®] current sensor measures AC current up to 5,000 Amps. The coil opens at the connector junction and can be installed on an existing cable or buss-bar in a matter of seconds. Kit includes three Rogowski coils and integrator.

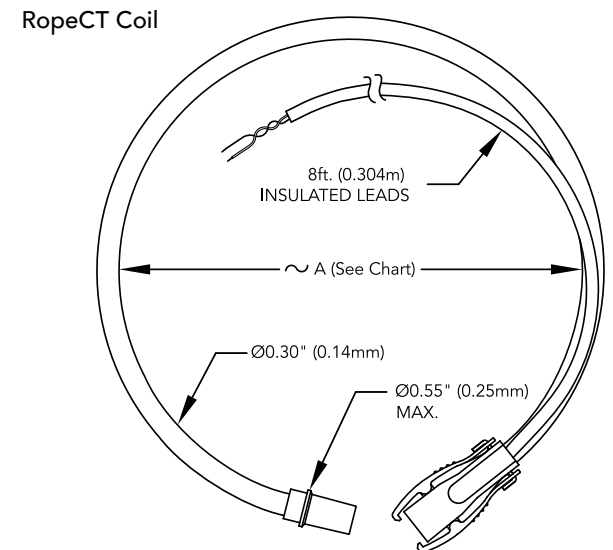
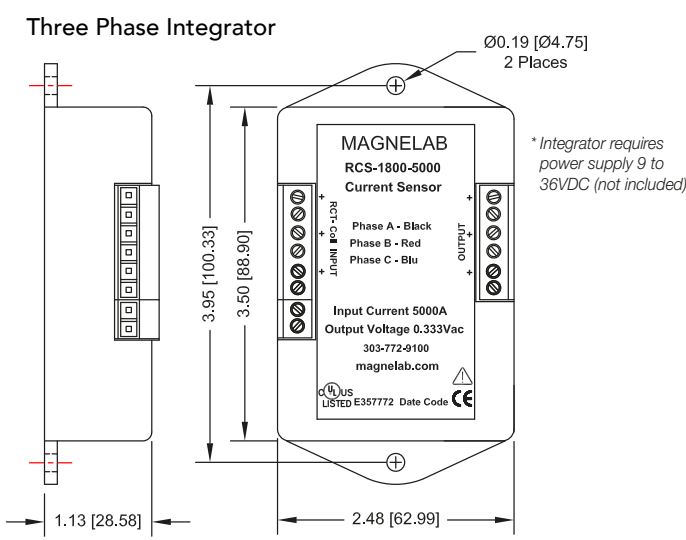


SPECIFICATIONS

Rated Primary Current	250 to 5,000 Amp
Rated Output	0.333 V (AC) at rated current
Accuracy	±1%
Phase Displacement	<0.5°
Temperatures	UL Rated Ambient: 55°C Operating: -20°C to 105°C Storage: -40°C to 110°C
UL Relative Humidity Rating	85%
Leads	Length: 8 ft (2.4 m) 22 AWG twisted pair Rating: 600 V (UL 1015, UL 1213)
UL Max Voltage	600 V on Primary Conductor
Certifications	UL Standard 61010-1, EN 60044-1
Power Supply	9-36 VDC Power supply required, available as option



PRODUCT DIMENSIONS



VARIATION	COIL LENGTH	DIAMETER
1200	12"	4.0" (102mm)
1800	18"	6.0" (152mm)
2400	24"	8.0" (203mm)
3600	36"	12.0" (305mm)
4800	48"	16.0" (406mm)



APPLICATIONS

- Submetering
- Revenue-grade Metering
- Smart Home Energy Management System
- Power Generation Monitoring
- Industrial Pump Monitoring
- Solar Consumption Monitoring
- EV Charging Stations
- Substation LV/MV/HV
- Lifecycle Management of Equipment

PART NUMBERS

RCS **a** - **b**

Rogowski Coil Length

a: 1200 = 12" (30.48 cm)
 1800 = 18" (45.72 cm)
 2400 = 24" (60.96 cm)
 3600 = 36" (91.44 cm)
 4800 = 48" (121.92 cm)

Integrator Amp Rating

b: 250 = 250 AMP
 400 = 400 AMP
 500 = 500 AMP
 800 = 800 AMP
 1000 = 1,000 AMP
 1500 = 1,500 AMP
 2000 = 2,000 AMP
 2500 = 2,500 AMP
 3000 = 3,000 AMP
 4000 = 4,000 AMP
 5000 = 5,000 AMP

Final Part Number:
 i.e. RCS-1200-4000