

RopeCT® AC Current Sensor RCS Rope Series Kits

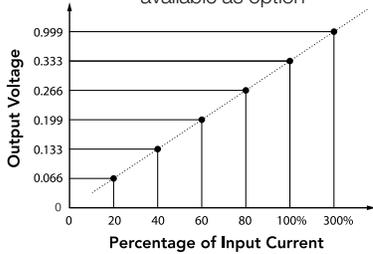
12 to 48 inch Rogowski Coils with Integrator

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.



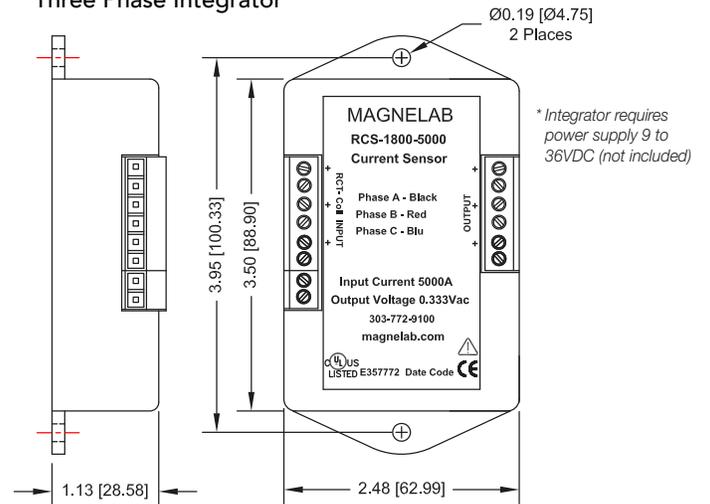
SPECIFICATIONS

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

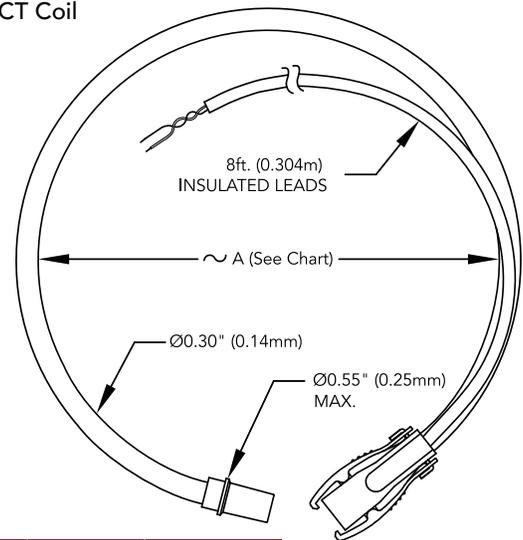


PRODUCT DIMENSIONS

Three Phase Integrator



RopeCT Coil



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

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)

