

# RopeCT<sup>®</sup> AC Current Sensor RCT Rope Series

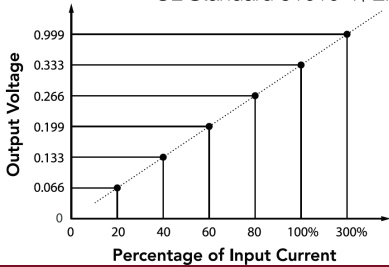
12 to 48 inch Coils with Single Phase Integrator

Magnelab RCT Series flexible RopeCT<sup>®</sup> 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. The ropes can be purchased alone or with single phase integrator.



## SPECIFICATIONS

Rated Primary Current	250 to 5,000 Amp
Rated Output	0.333 V (AC) at rated current
Phase Displacement	<0.5°
Accuracy	1.0% Class per IEC 61869-2
Temperatures (Integrator)	UL Rated Ambient: 131°F (55°C) Operating: -4°F (-20°C) to 158°F (70°C) Storage: -4°F (-20°C) to 176°F (80°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



## 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

**RC** - **a** - **b** - **c**

**Coil Options**

**a:** T = One Coil  
S = Three Coils

**Rogowski Coil Length**

**b:** 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)

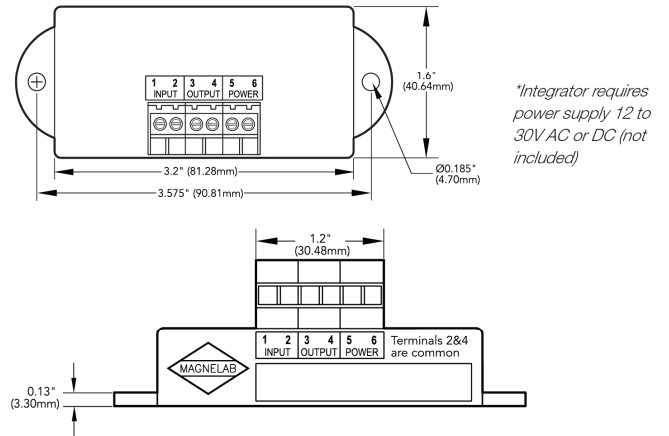
**Integrator Amp Rating**

**c:** 000 = No Integrator  
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

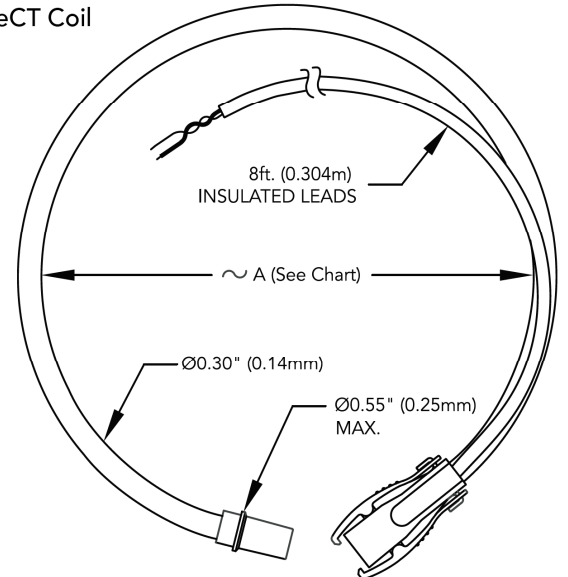
Final Part Number:  
i.e. RCT-1200-4000

## PRODUCT DIMENSIONS

### Single Phase Integrator



### RopeCT Coil



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)

