

RopeCT[®] AC Current Sensor RCT Rope Series

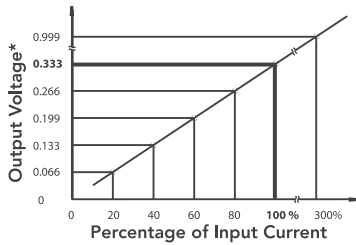
12 to 48 inch Coils with Single Phase Integrator

Magnelab RCT 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. The ropes can be purchased alone or with single phase integrator.



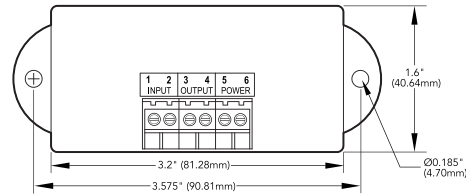
SPECIFICATIONS

Rated Primary Current	250 to 5,000 Amp
Rated Output	0.333 V (AC) at rated current
Phase Displacement	<0.5°
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

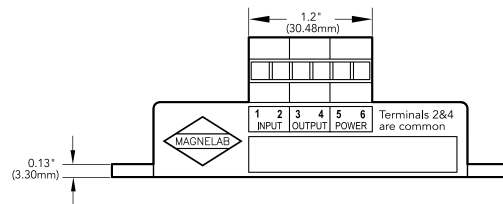


PRODUCT DIMENSIONS

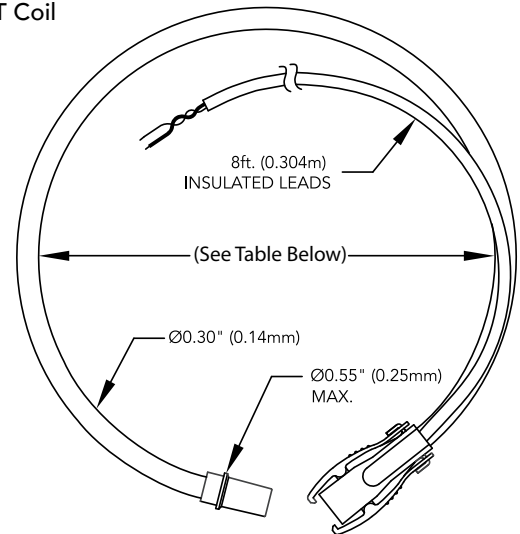
Single Phase Integrator



*Integrator requires power supply 12 to 30V AC or DC (not included)



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

RCT - a - b

Rogowski Coil Length

a: 1200 = 12" (39.48 cm)
 1800 = 18" (45.72 cm)
 2400 = 24" (60.98 cm)
 3600 = 36" (91.44 cm)
 4800 = 48" (121.92 cm)

Integrator Amp Rating

b: 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

Example: RCT-1200-4000

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

