

MAGNELAB

AC Current Sensor RopeCT® RCT-180C Series

18 Inch Rogowski Coil With Integrator

Magnelab RCT-180C 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 busbar in a matter of seconds. Includes built in integrator

SPECIFICATIONS

Rated Primary Current	Up to 5000 Amp
Rated Output	0.333 V AC (1 V AC option also available)
Accuracy	0.5 Accuracy
Phase Displacement	< 0.2°
Temperatures	Operating: -40°C to 85°C Storage: -45°C to 90°C
Relative Humidity Rating	Less than 95%, non-condensing
Leads	Length: 8 ft, 20 AWG black cable, 4 Conductor, Rating 600 V
Power Supply	9-30 V DC required (Not included)
Max Voltage	600 V on bare conductor BIL 10 kV
RMS Voltage	10,000 V for AC insulation Test (1 min)
Rated Frequency	30-15,000 Hz
Minimum impedance	1 kOhms
Constructed to	UL2808 Safety, UL61010-1 Electronics
Weight	0.40 lbs (0.18 kg)

PART NUMBER	RATING
RCT-180C-0250	250 Amp
RCT-180C-0500	500 Amp
RCT-180C-1000	1000 Amp
RCT-180C-2500	2500 Amp
RCT-180C-5000	5000 Amp

* Other ratings available. Please contact for details.

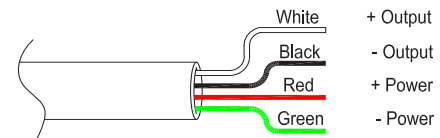
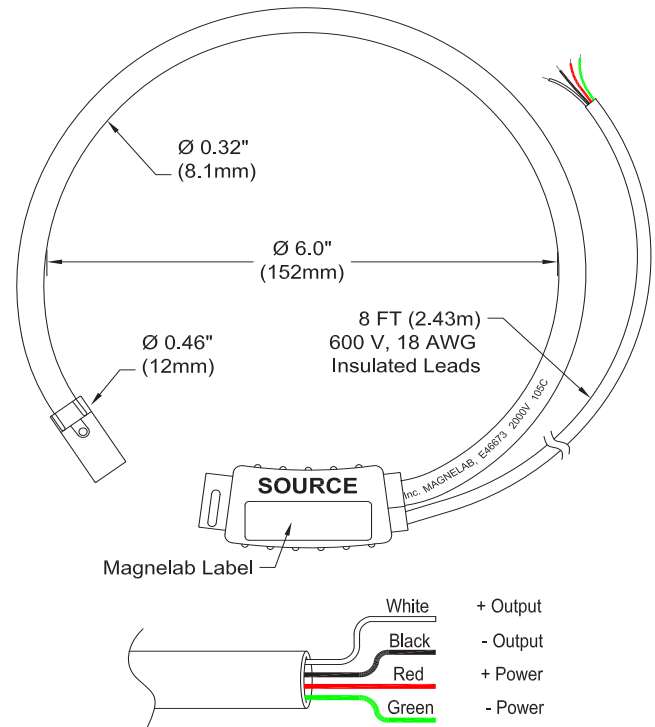
PART NUMBER	DIAMETER APPROX.
RCT-120C-Coil	4.0"
RCT-180C-Coil	6.0"
RCT-240C-Coil	8.0"
RCT-360C-Coil	12.0"



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APPLICATIONS

- Submetering
- 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



Connection Diagram
Power Supply and Output
Must be Isolated



CE RoHS2 ISO9001