

MAGNELAB

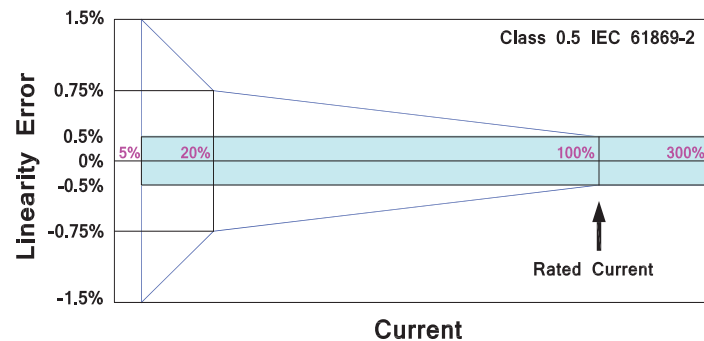
AC Current Sensor RopeCT® RCT-180L Series

18 Inch Rogowski Coil (UL Listed)

Magnelab RCT-180L 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.

SPECIFICATIONS

Rated Primary Current	Up to 5000 Amp
Rated Output	0.070 Volt per 1,000 Amp, 60 Hz
Accuracy	0.5 Class per IEC 61869-2 Accuracy from 100 Amps to 15, 000 Amps
Phase Displacement	< 0.5°
Temperatures	UL Rated Ambient: 55°C Operating: -15°C to 65°C Storage: -45°C to 80°C
UL Relative Humidity Rating	85%
Leads	Length: 8 ft, 24 AWG gray cable Rating: 600 V
Power Supply	9-36 VDC required (Not included)
UL Max Voltage	600 V on bare conductor BIL 10 kV
RMS Voltage	10,000 V for AC insulation Test (1 min)
Rated Frequency	30-1,000 Hz
Minimum impedance	75 kOhms
Certifications	UL 2808 CAN.CSA C22.2 No. 61010-1-12, IP64
Weight	0.40 lbs (0.18 kg)



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



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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

