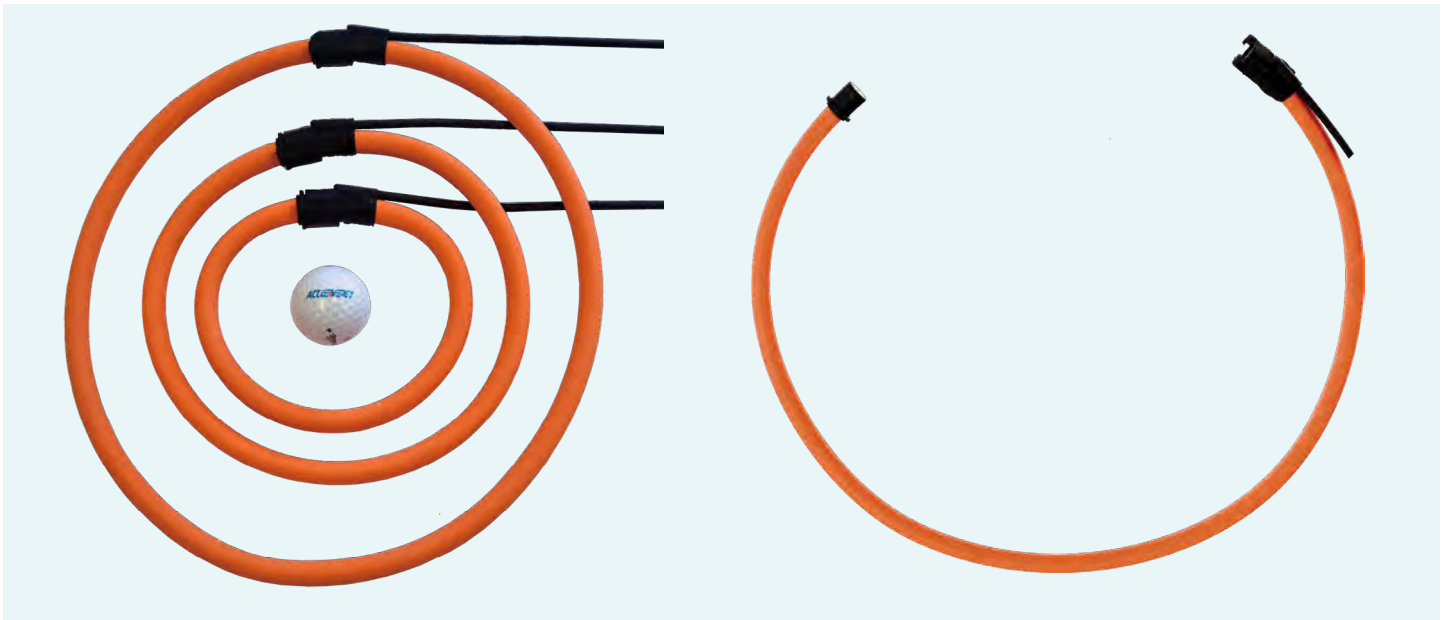


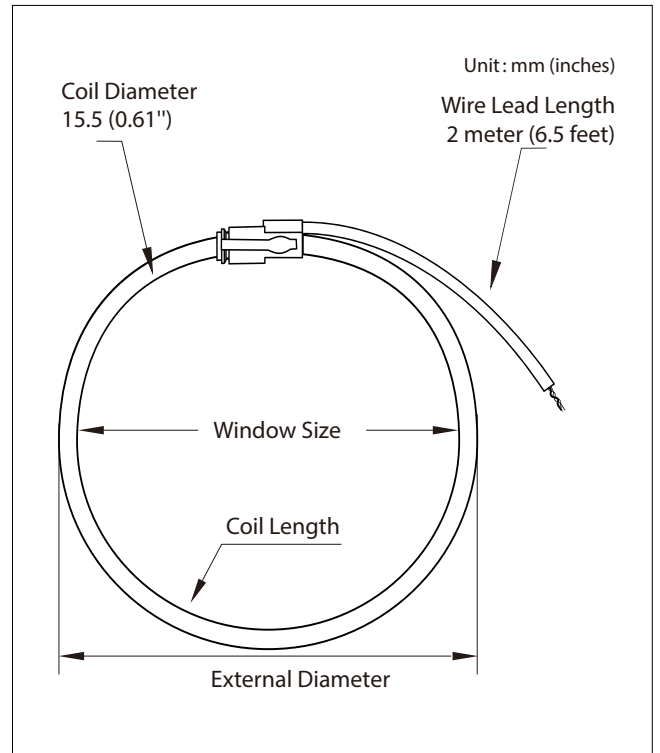
# ROGOWSKI COIL CT



Accuenergy's Flexible Rogowski Coil is designed to use where regular solid or split core current transformers cannot fit, and ideal for power quality monitoring such as harmonics. Advantage including high accuracy, wide measurement and frequency range, and no additional integrator and power supply is needed.

## SPECIFICATION

Window Size	106mm (4.17"), 178mm (7.01"), 271mm (10.67"), 369mm (14.53")
Length of Coil	400mm (15.75"), 600mm (23.62"), 900mm (35.43"), 1200mm (47.24")
Current Range	5A - 50,000A
Frequency Range	20Hz - 5kHz
Accuracy	0.5%
Lead	White-Positive, Brown-Negative, Bare-shield; 26AWG
Polarity	Arrow towards load (current flow direction)
Operating Temperature	-20°C - 70°C
Temperature Drift	+/- 0.07%
Material	Orange thermoplastic rubber, flame retardant UL 94 V-0 rated
Dielectric Strength	7400Vac @ 50/60Hz for 1 minute
Over voltage category	1000V CAT III, 600V CATIV
Cable	1000V UL STYLE 20940; External diameter 5mm; Wires 2x 26AWG



## DIMENSIONS

DIMENSIONS	RCT16	RCT24	RCT36	RCT47
Window Size	106 (4.17")	178 (7.01")	271 (10.67")	369 (14.53")
Coil Length	400 (15.75")	600 (23.62")	900 (35.43")	1200 (47.24")
External Diameter	143 (5.63")	207 (8.13")	302 (11.89")	398 (15.66")
Coil Diameter	15.5 (0.61")			

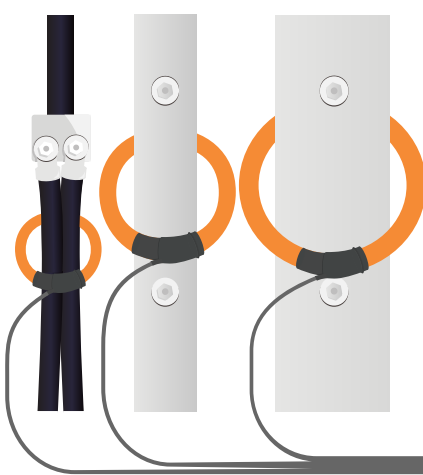
Unit: mm (inches)

MODEL	Output/1000A @ 50Hz	Output/1000A @ 60Hz
RCTxx-200	500mV	600mV
RCTxx-500	200mV	240mV
RCTxx-1000	100mV	120mV
RCTxx-2500	40mV	48mV
RCTxx-5000	20mV	24mV
RCTxx-10000	10mV	12mV
RCTxx-50000	2mV	2.4mV
RCTxx-Custom	Output any ratio of signal per your requirement.	

\*"xx" denotes length of current transformer coil

APPLICATIONS

**Rogowski Coil**  
Flexible Current Transformers  
Input range 5A - 50000A



**Rope style form factor:** Fits into any constricted spatial configuration ranging from panels, wire bundles or irregular sized bus.


**Wide Current Sensing:** Measures current from 5A to 50,000A on each standard coil.

**High Accuracy & Linearity:** 0.5% accuracy across the entire range of measurements.

**Wide Frequency Response Range:** Standard frequency response range of 10Hz- 20KHz.

**4 Standard Length Selection:** We offer four lengths of coil, 16", 24", 36" and 47".


**Accuenergy RIK Integrator Kits**




- ✓ Correct 90 degree phase shift
- ✓ Convert to Industrial Standard Signal:
  - ➔ 0-5A
  - ➔ 0-1A
  - ➔ 0-333mV
  - ➔ 4-20mA
  - ➔ 0-20mA
  - ➔ 0-5Vdc
  - ➔ 0-10Vdc
- ✓ Field-configurable 7 CT ratio built-in to each unit

*Digital signal to different protocols*

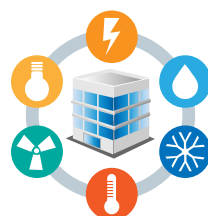
**Power Meters**




**PLC, Datalogger, Controller, Protection Relay**



**BACnet, Modbus, SNMP, DNP, HTTP/ FTP**



Directly compatible with  
**Accuenergy Power Meters**  
*No external integrator or power supply needed.*



OEM equipment/device  
*with built-in integrator*

