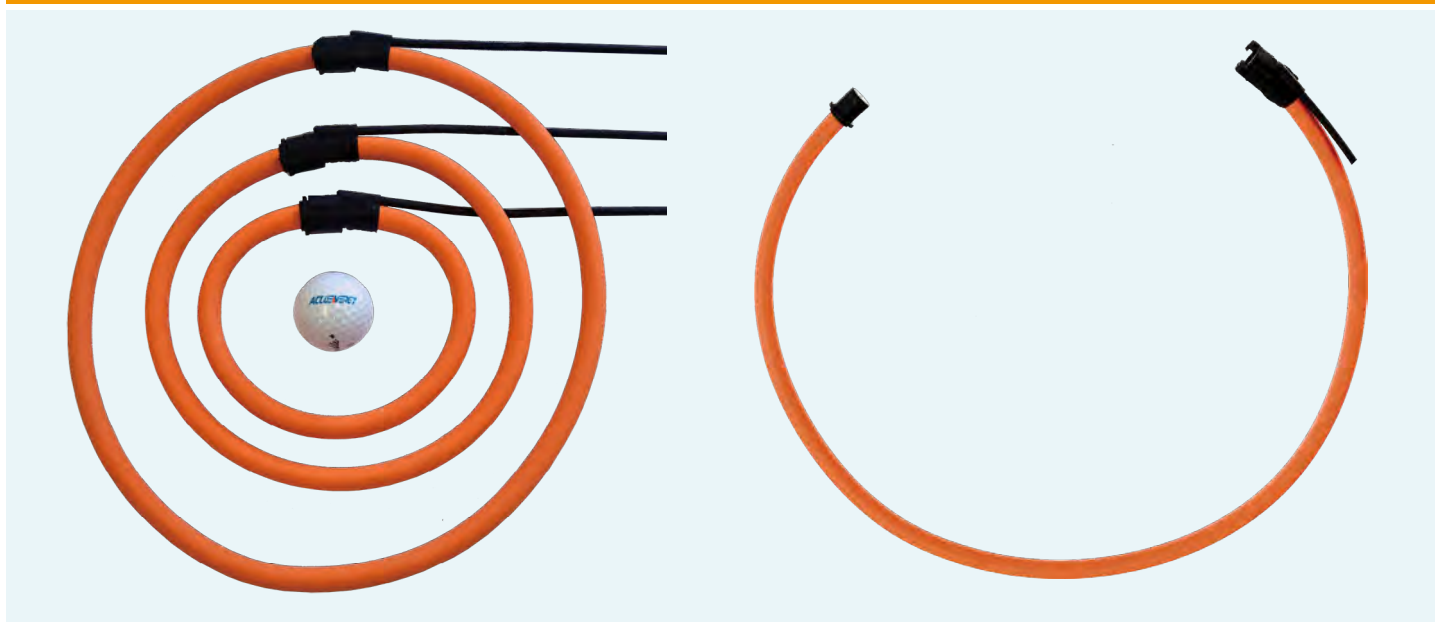


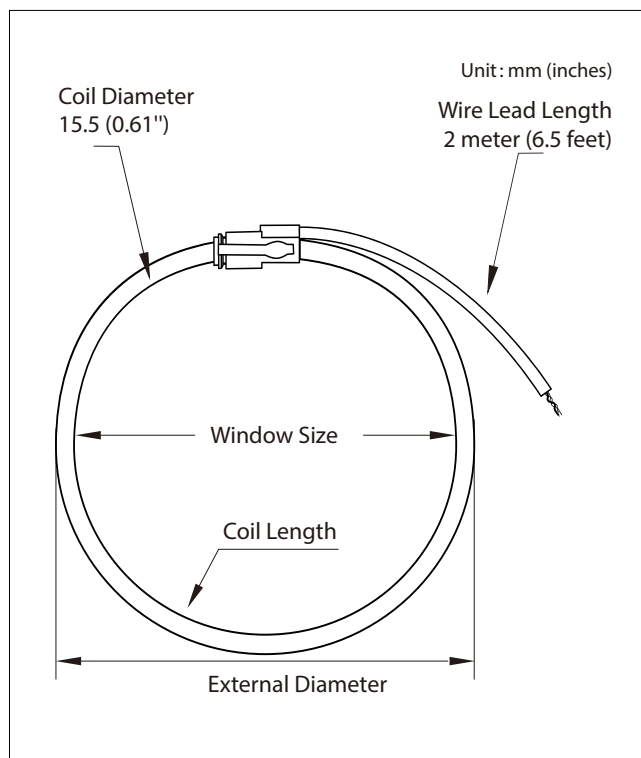
# ROGOWSKI COIL CT



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

Unit: mm (inches)

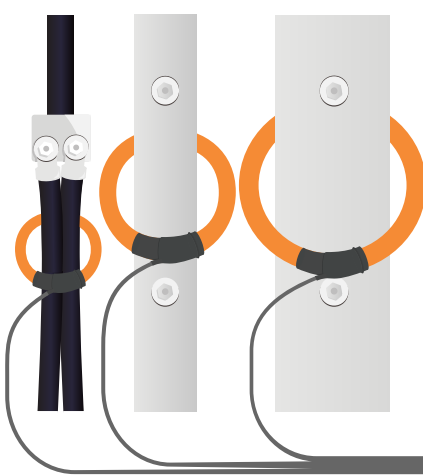
| DIMENSIONS        | RCT16        | RCT24        | RCT36        | RCT47         |
|-------------------|--------------|--------------|--------------|---------------|
| Window Size       | 106 (4.17")  | 178 (7.01")  | 271 (10.67") | 369 (14.53")  |
| Coil Length       | 400 (15.75") | 600 (23.62") | 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") |              |              |               |

| 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*

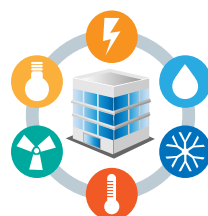
Directly compatible with Accuenergy Power Meters  
*No external integrator or power supply needed.*

OEM equipment/device with built-in integrator



Power Meters

PLC, Datalogger, Controller, Protection Relay



BACnet, Modbus  
SNMP, DNP,  
HTTP/ FTP