

Rogowski Flexible Core AC Current Transducer

U018 Series

No EXTERNAL
POWER SUPPLY OR
INTEGRATOR NEEDED – ALL
CONTAINED
IN METER



U018 Series

SPECIFICATIONS

Agency Approvals	cURus, ANSI/IEEE 57.13, CE*
INPUTS	
Frequency Range	50 Hz to 1.5 kHz
Leads	8 ft. (2.4 m), or 12 ft. (3.7 m) options, see Ordering Information
ACCURACY	
Accuracy	±1% from 50 A to 5000 A
OUTPUT	
Output	For use with E2xxx and E5xxxA meters only
MECHANICAL	
Insulation	Up to 600 Vac
ENVIRONMENTAL	
Installation Category III	Pollution Degree 2
Operating Temp. Range	-15 °C to 55 °C (5 °F to 131 °F)
Storage Temp. Range	-45 °C to 80 °C (-49 °F to 176 °F)
WARRANTY	
Limited Warranty	3 years

* The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

Exclusively for E2xxx and E5xxxA Power and Energy Meters (Sold Separately)

FEATURES

- Compatible with E2xxx and E5xxxA power and energy meters with built-in power supply and integrator for fast CT connection... see the E2xxx and E5xxxA datasheets
- Maximum flexibility...fits difficult spaces
- Phase angle <0.5 degrees, measured at 50% rated current... enhanced accuracy
- Insulated leads...easy installation
- UL recognized
- 1% accuracy from 50 A to 5000 A...monitor a wide range of loads with breakers from 400 A to 5000 A

DESCRIPTION

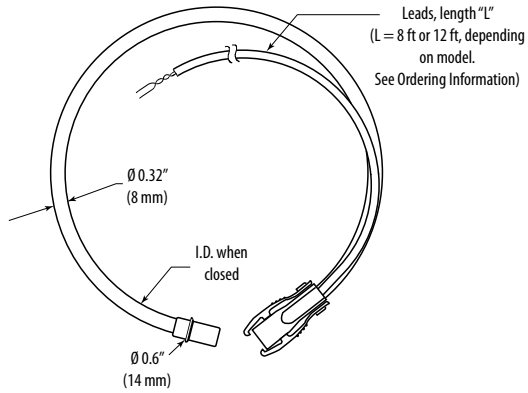
The **U018** Rogowski flexible rope style CTs measure AC current up to 5000 A. The coil opens at the connector junction for fast and easy installation onto an existing cable or buss-bar. The flexible core makes it easy to fit in tight enclosures.

The U018 series works exclusively with the E2xxx and E5xxxA power and energy meters. These meters have a built-in power supply and integrator, so CT connection is fast and simple.

APPLICATIONS

- Data logging
- Recording
- Power monitoring
- Energy management
- Alternative energy monitoring
- Cost allocation

DIMENSIONAL DRAWING



CT Core Length	Approx. Inside Diameter With Closed Connector
12" (305 mm)	Ø 3.85" (98 mm)
18" (458 mm)	Ø 5.75" (147 mm)
24" (610 mm)	Ø 7.65" (195 mm)
36" (915 mm)	Ø 11.50" (293 mm)

ORDERING INFORMATION



MODEL	DESCRIPTION
U018-0001	CT, Rope, 12 inch core, 8 ft. lead, up to 5000 A
U018-0002	CT, Rope, 18 inch core, 8 ft. lead, up to 5000 A
U018-0003	CT, Rope, 24 inch core, 8 ft. lead, up to 5000 A
U018-0004	CT, Rope, 36 inch core, 8 ft. lead, up to 5000 A
U018-0005	CT, Rope, 12 inch core, 12 ft. lead, up to 5000 A
U018-0006	CT, Rope, 18 inch core, 12 ft. lead, up to 5000 A
U018-0007	CT, Rope, 24 inch core, 12 ft. lead, up to 5000 A
U018-0008	CT, Rope, 36 inch core, 12 ft. lead, up to 5000 A

Notes:
These CTs are only compatible with the E2xxx and E5xxxA Series meters.

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