



eGauge Rope CT Specifications

Model: ERA-xxx-yyyy

Flexible Rogowski Coils (Rope CTs) are designed to use where regular solid or split core current transformers cannot fit. No additional integrator or power supply is needed. The ERA-xxx-yyyy can measure up to 6935 A and is available with window openings of 106 mm (4.17 in.), 178 mm (7.00 in.) and 271 mm (10.17 in.). Rope CTs require a minimum of 30 A.

The eGauge Rope CTs use CTid technology for auto-detection and have an onboard LED which can be used to identify which CT is connected to a given sensor port. This is useful if the CT leads cannot be traced.

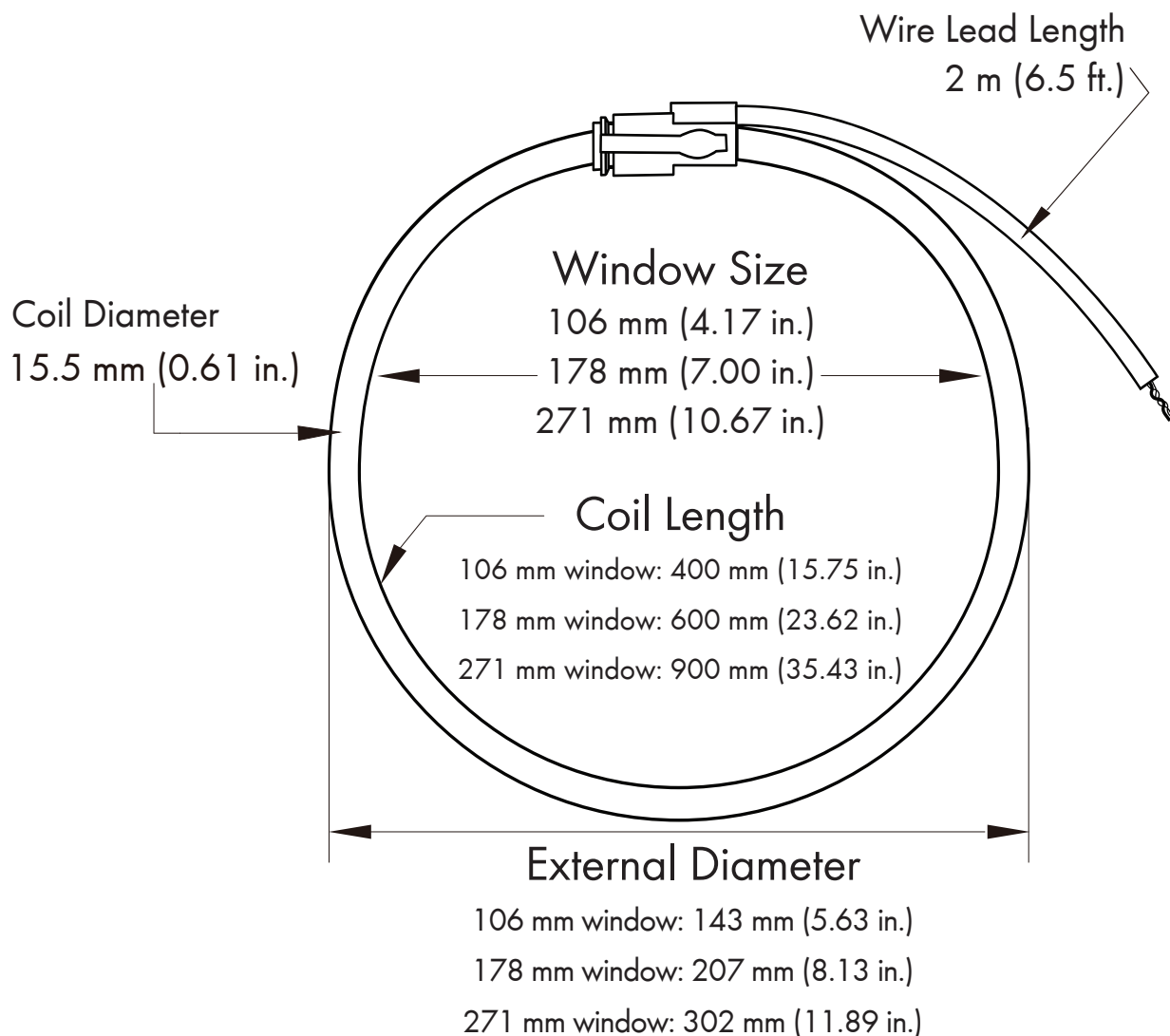


Window Size	106 mm (4.17 in.)	178 mm (7.01 in.)	271 mm (10.67 in.)
Amperage Options	2775 A	2775 A or 6935 A	6935 A
Frequency Range	50 Hz or 60 Hz		
Operating Temperature	-20 °C to 70 °C (-4 °F to 158 °F)		
Overvoltage Category	1000 Vac CAT III, 600 Vac CAT IV		
Positional Error	Better than 4%		
Linearity	Better than 1%		
Material	Orange thermoplastic rubber; flame retardant UL 94 V-0 rated		
Cable	1000 V UL style 20940; External diameter 5 mm; Wires 2x 26AWG		
Raw output	2 mV per 1000 A per Hz (2775 A) or 40 mV per 1000 A per Hz (6935 A)		

For more information visit
egauge.net/support/m/era



eGauge Rope CT Dimensions



Rope CT Positioning Guide

Position the Rope CT with the conductor as close as possible through the center of the Rope CT. This shows the maximum expected errors if the conductor is near or touching the edges of the Rope CT.

Position	Error
Centered (1)	< 0.4 %
Near Outer Edge (2, 3, 4)	< 2.0 %
Near Connector (5)	< 4.0 %

