

Rogowski Coil Current Transformer Kits

E183313-3 - 500 A Primary to 0.333 V Secondary, 16" Coil Length
 E183313-1 - 2000 A Primary to 0.333 V Secondary, 16" Coil Length
 E183313-2 - 4000 A Primary to 0.333 V Secondary, 24" Coil Length

CATALOG NUMBER	CURRENT RATIO	ACCURACY @ 60 Hz
E183313-3	500 A / 0.333 V	± 1%
E183313-1	2000 A / 0.333 V	± 1%
E183313-2	4000 A / 0.333 V	± 1%



Description

The E183313-3, E183313-1, and E183313-2 Rogowski coil CT kits provide a 500, 2000, or 4000 A primary to a 0.333 V secondary. They are designed for use with submetering products, including EIG's ST40 meter. The highly accurate CT is constructed with a protective, flexible UV jacket and is sealed against tough environments, making it suitable for rugged industrial applications.

Each Rogowski coil CT kit contains three Rogowski coils, an integrator, and an integrator power supply. The integrator does not require button selections or on-site calibration. Simply hook up the Rogowski coil CTs to the integrator, connect the power supply to the integrator, and then connect the integrator to the meter.

Applications

- Energy submetering.
- Industrial energy metering.
- Network equipment.
- High current monitoring.
- Protective relaying.
- Harmonics and transients monitoring.

Features

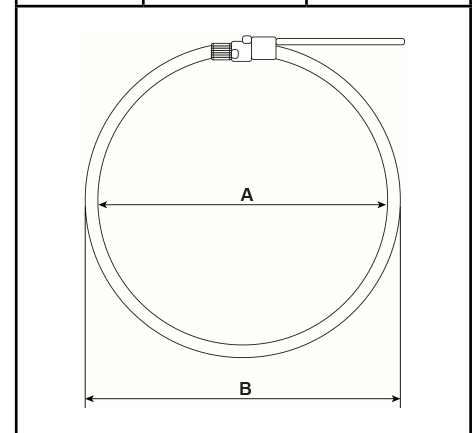
- 6 ft. twisted wire leads.
- Tamper-proof, secured twist-lock connector.
- Abrasion resistance; flexible in low temperature.
- UV-protected outer jacket; weather proof.
- Lozenges on connector provide easy glove grip.
- UL94V-0 flame retardant plastic, CAT IV, double insulation, Pollution Degree 3.
- Phoenix-style terminal block connector.

Specifications

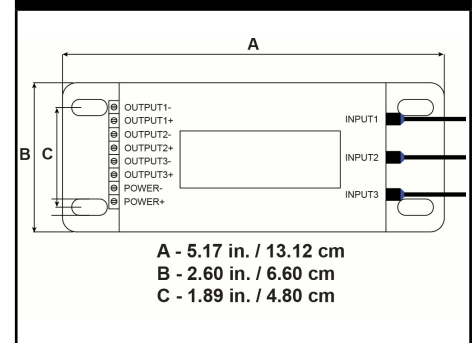
- Standard Primary Input Current - 500 A (E183313-3) / 2000 A (E183313-1) / 4000 A (E183313-2)
- Secondary Output - 0.333 V
- Frequency - (45 - 60) Hz
- Voltage Rating - 600 V AC, BIL 10 KV AC Full-wave
- Linearity - $\leq 1\%$ of Full Scale
- Operating Temperature - (-25 to +70) °C / (-13 to +158) °F, 90% RH
- Altitude - 6,600 ft. (2012 m)
- ANSI C57.13, IEC 61010-1, IEC 61010-12, CE Marked

COIL DIMENSIONS

Model	Coil ID (A)	Coil OD (B)
E183313-1 / E183313-3	5.0 in. / 12.70 cm	5.8 in. / 14.73 cm
E183313-2	7.6 in. / 19.30 cm	8.4 in. / 21.34 cm



INTEGRATOR DIMENSIONS



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