

Current Transformers for Billing

ROS-A Series

Resin-insulated current transformers *ROS-A Series*, designed for billing purposes and suited to power systems of 600-voltage or below, offer revenue metering of at least a Class 0.3 Accuracy and can be used for indoor application or in an outdoor enclosure. Current Ratios available are from 100:5A to 800:5A, and window diameter options are 38mm, 66mm, and 78mm. *ROS-A Series* current transformers of the **Standard Specifications** have an RF of up to 4.0. Those of the **ERCT Specifications** are able to maintain the rated accuracy and burden rating while measuring 1% ~ 150% of the rated current, surpassing the usual metering-class requirement (5% ~ 100%). All *ROS-A Series* current transformers have been type-tested by CIC's *Advanced Electricity Lab*, a testing facility accredited by a member of ILAC.

Features

- Standards: IEEE C57.13
- Secondary side equipped with a short-circuiting device
- Terminal cover provided for the secondary side
- Sealable
- Application: Indoors, or in an outdoor enclosure
- Rated Voltage: Up to 0.72 kV
- Frequency: 50 / 60 Hz
- 0.3 Metering Class
- Type-tested by a laboratory accredited by an ILAC member
- Additional specification or customization may be requested to comply with various electrical standards and client requirements



Standard Specifications

Model	Current Ratio	RF		Accuracy & Burden (IEEE)	Window Diameter	Approx. Weight
		At 30°C Ambient Temperature	At 55°C Ambient Temperature			
ROS-38A	100 / 5A	4.0	4.0	0.3 B-0.2	38 mm	6.5 kg
ROS-66A	150 / 5A	4.0	4.0	0.3 B-0.1	66 mm	5.0 kg
	200 / 5A	4.0	4.0	0.3 B-0.5		
	250 / 5A	4.0	4.0	0.3 B-0.5		
ROS-78A	300 / 5A	4.0	2.9	0.3 B-0.5	78 mm	4.0 kg
	400 / 5A	4.0	2.9	0.3 B-0.5		
	500 / 5A	3.0	2.4	0.3 B-0.5		
	600 / 5A	2.0	1.8	0.3 B-0.5		
	800 / 5A	2.0	1.5	0.3 B-0.5		

ERCT Specifications

Model	Current Ratio	RF	Accuracy & Burden (IEEE)	Window Diameter	Approx. Weight
ROS-66A	150 / 5A	1% ~ 150%	0.3 B-0.1	66 mm	5.0 kg
	200 / 5A	1% ~ 150%	0.3 B-0.5		
	250 / 5A	1% ~ 150%	0.3 B-0.5		
ROS-78A	300 / 5A	1% ~ 150%	0.3 B-0.5	78 mm	4.0 kg
	400 / 5A	1% ~ 150%	0.3 B-0.5		
	500 / 5A	1% ~ 150%	0.3 B-0.5		
	600 / 5A	1% ~ 150%	0.3 B-0.5		
	800 / 5A	1% ~ 150%	0.3 B-0.5		