



Features:

The OSM-RCS-1800 Series flexible Three Phase RopeCT® current sensor measures AC current up to 5,000 Amps. The coil opens at the connector junction and can be installed on an existing cable or buss-bar in a matter of seconds. The RCT series transformers are manufactured by Magnelab. The OSM-RCS Series integrator (signal conditioner) converts the RopeCT (Rogowski Coil) input voltage to 0.333 volt AC output. The integrator requires a DC power supply which operates from 9 to 36 Vdc. The integrator is available with screw terminals (pictured) or with flexible strain relief cables attached to the integrator.

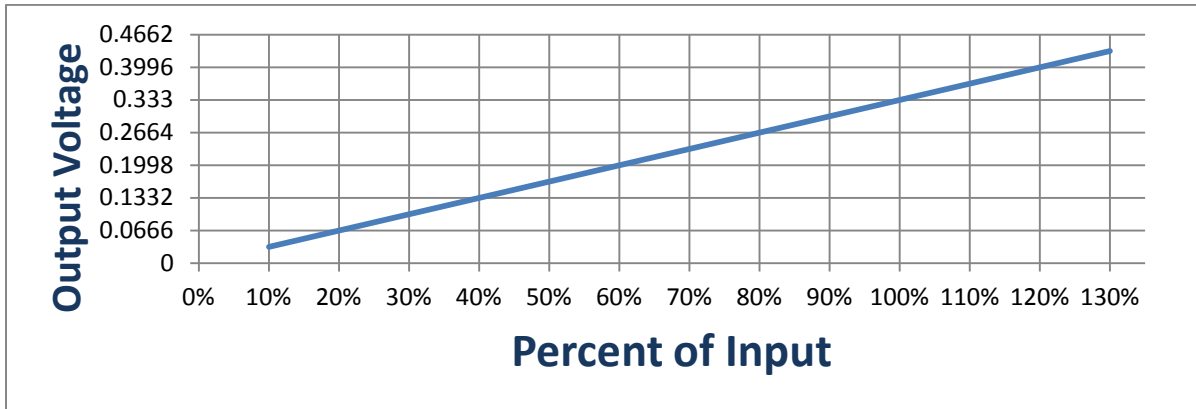
- ✓ Input from 250 Amp to 5,000 Amp
- ✓ Output of 0.333 Volt at rated current
- ✓ Integrator requires power supply 12 to 30V AC or DC
- ✓ Accuracy from 100 Amps to 15,000 Amps
- ✓ Phase angle < 0.5 degrees measured at 50% rated current
- ✓ Linearity Accuracy 1%
- ✓ 8 ft. twisted pair leads
- ✓ Maximum Voltage: 600 V (on bare conductor)

Specifications:			
Type	Parameter	Value	Units
Inputs			
	Nominal Current'	250-5000	Amps
	Extended Range"	130	%
Outputs Type			
	Voltage Output type 1	0.333	Vrms
Performance			
	Linearity Accuracy	+/-1	%
	Overall Linearity	10-130	%
	Phase angle at 50%	1	Degree
Environment			
	Min Operating Temp	0	°C
	Max Operating Temp	+40	°C
	Potting	NO	
Mounting			
	Split-core	YES	
Conductor			
	Connector Wire Size	18	AWG
Size Opt			
	Standard	18	Inch
	Custom Small*	12	Inch
	Custom Large*	24	Inch
	Custom XL*	36	Inch
	Custom XXL*	48	Inch
Compliance			
	UL Recognized	E357772	

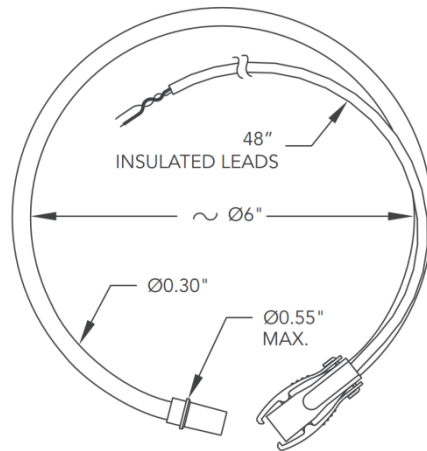
Ordering Information:		
Part Number	Input Range	Output
OSM-RCS-1800-0250	0-250A	0.333Vrms
OSM-RCS-1800-0400	0-400A	0.333Vrms
OSM-RCS-1800-0500	0-500A	0.333Vrms
OSM-RCS-1800-0800	0-800A	0.333Vrms
OSM-RCS-1800-1000	0-1000A	0.333Vrms
OSM-RCS-1800-1500	0-1500A	0.333Vrms
OSM-RCS-1800-2000	0-2000A	0.333Vrms
OSM-RCS-1800-2500	0-2500A	0.333Vrms
OSM-RCS-1800-3000	0-3000A	0.333Vrms
OSM-RCS-1800-4000	0-4000A	0.333Vrms
OSM-RCS-1800-5000	0-5000A	0.333Vrms

* - By special request only '– Nominal current can be up to 10000A request information, "–Range can be further extended request information

Current Sensor Output 0.333V type 1/Input Current



Dimensions



Wire Diagram with Integrator Box:

