

Three-Phase 4-20 mA True-RMS AC Current Transducer MGS-1800

Description:

The MGS Series integrator and 4 to 20 mA Transducer (signal conditioner) converts the RopeCT (Rogowski Coil) input voltage to 4 - 20 mA DC output. The transducer requires a DC loop power supply which operates from 8 to 35 Vdc. The transducer is available with screw terminals for ease of installation.

Features:

- True RMS measurement. Ideal for distorted Waveforms
- Self powered from 4 20 mA Loop
- LEDs on each phase indicate when unit is connected to suitable power

PART NUMBER AND RATING

- Input: 250 to 5,000 Amp (or custom amperage)
- Accuracy ±1%

MGS-1800-0250	250 Amp
MGS-1800-0400	400 Amp
MGS-1800-0500	500 Amp
MGS-1800-0800	800 Amp
MGS-1800-1000	1000 Amp
MGS-1800-1500	1500 Amp
MGS-1800-2000	2000 Amp
MGS-1800-2500	2500 Amp
MGS-1800-3000	3000 Amp
MGS-1800-4000	4000 Amp
MGS-1800-5000	5000 Amp



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- Temperature: UL Rated Ambient: 131°F (55°C) Operating: 32°F (0°C) to 158°F (70°C) Storage: -4°F (-20°C) to 176°F (80°C)
- 8 ft. Insulated leads (from RopeCT® to integrator)
- 8 ft. Output leads twisted pair (600V), 22 AWG Three sets
- Maximum Voltage: 600 V (on bare conductor)
- UL Recognized, CE and RoHS compliant

DIMENSION	INCH	MM	
А	3.95	100.33	
В	3.50	88.90	
С	1.15	29.21	
D	2.50	63.50	
E	0.190 dia.	4.83	





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Specifications:

- Power: Standard 4 20 mA Loop, voltage 8 35 VDC (Each phase)
- Input: Up to 5000 A measured by Magnelab RopeCT
- Output: 4 20 mA Loop (Sinking), Maximum impedance 750 Ohms @ 24 VDC (Each phase)
- Accuracy: True RMS, 1% FS, up to crest factor 4
- Input frequency: 40 to 3000Hz
 - Enclosure: Plastic box with metal plate cover on bottom and mounting bracket
 - W = 2.50", H = 1.15", L = 3.50" (Not including mounding brackets)
 - Indicator: Green LEDs light when connected correctly to output 4 20 mA current loop



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