

50A/4-20mA SPLIT CASE

Item number: CTR05000

CTR Series transducers combine a current transformer and a signal conditioner into a single package. This provides higher accuracy, lower wiring costs, easier installation and saves valuable panel space. The CTR Series transducers are available in 4-20 mA output only. The CTR Series provides a “True RMS” output on distorted waveforms found on VFD or SCR outputs, and on linear loads in “noisy” power environments. Select the CTR Series for variable speed or SCR controlled loads. The current waveform of a typical linear load is a pure sine wave. In VFD and SCR applications, however, output waveforms are rough approximations of a sine wave. There are numerous spikes and dips in each cycle. CTR transducers use a mathematical algorithm called “True RMS”, that integrates the actual waveform over time. The output is the amperage component of the true power (heating value) of the AC current waveform. True RMS is the only way to accurately measure distorted AC waveforms.



Features and benefits

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General

Net Weight (g)	0.35
Packed Weight (g)	0.35
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	Humidity (non-conden.) 5 to 95% RH
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Mounting	DIN rail mount (bracket included), Panel mount
Warranty (years)	2

Identification and Status

Product ID	CTR05000
Country of Origin	United States of America (the)
HS Code	9030337000
Dual Usage	No

Physical Features

SD Card Slot	No
Flash Drive	No
Contains Battery	No

Certifications and Standards

RoHS Compliant	No
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Certifications and Standards

CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	Yes
DNV	Yes
KC	No
Vibration and Shock	Shock: IEC60068-2-28; Vibration: IEC60068-2-6