

True RMS AC Current Transducer

DIN RAIL / PANEL MOUNT, TRUE RMS



Single Element - 0.79" Window
0.1 to 600 AAC Input Range



Two Element - 0.26" Window
0.1 to 30 AAC Input Range



Three Element - 0.26" Window
0.1 to 30 AAC Input Range

The **CR4100** Series True RMS Current Transducers and Transmitters are designed for applications where AC current waveforms are not purely sinusoidal. More precise and accurate than other transducers, these devices are ideal in chopped wave and phase fired control systems.

Applications

Phase fired controlled heaters
Quickly varying motor loads
Chopped wave form drivers
Harmonic currents

Features

35mm DIN Rail or Panel Mount
Available with 0-5 VDC, 0-10 VDC, 4-20 mADC output
24 VDC powered
Use with external current transformers
Highest precision available
Connection diagram printed on case

Regulatory Agencies

Recognized to meet UL 61010B-1
Constructed to meet CAN/CSA-C22.2, No. 61010-1-2004
Meets requirement of IEC 61010-1 and BS EN 61010-1



Use a 5 Amp Secondary
Current Transformer to extend
the ranges of all CR Magnetics
Current Transducers



All single phase current
transducers are available in split
core design. Simply put an "S"
the end of the prefix*
I.E. CR4110S-10
* **Not UL Recognized**

PART NUMBERS

CR4110(S)	-	Single element with 0 - 5 VDC output (split core design)
CR4111(S)	-	Single element with 0 - 10 VDC output (split core design)
CR4120(S)	-	Single element with 4 - 20 mADC output (split core design)
CR4150	-	Two element with 0 - 5 VDC output **
CR4160	-	Two element with 4 to 20 mADC output **
CR4170	-	Three element with 0 - 5 VDC output **
CR4180	-	Three element with 4 - 20 mADC output **

*Two and three element transducers are available only in ranges of 0.1 to 30 AAC

Add suffix for input range

5	-	0- 5 AAC **
10	-	0-10 AAC **
15	-	0-15 AAC **
20	-	0-20 AAC **
25	-	0-25 AAC **
30	-	0-30 AAC **
40	-	0-40 AAC
50	-	0-50 AAC
75	-	0-75 AAC
100	-	0-100 AAC
150	-	0-150 AAC

Ranges available up to and including
600 AAC

Transducers

The Professional
Energy Monitoring
Company

MAGNETICS

ISO 9001:2008 Quality Management System