



DC Current Transducer

DIN RAIL / PANEL MOUNT

The **CR5200** Series, DC Current Transducers are designed to provide a DC signal which is proportional to a DC sensed current. These devices are designed for direct current only, targeting them towards general and daily applications. The ranges 2 to 10 Amp utilize an advanced Magnetic Modulator technology and the ranges 20 amps and above utilize Hall Effect technology.

Applications

- Battery chargers and systems
- DC motor drives
- Power supply management
- Mobile applications

Features

- Closed loop sensing for accuracy
- 35mm DIN rail or panel mount
- 0 - 5 Vdc or 4 - 20 mA DC outputs
- Non-contact DC current sensing
- Connection diagram printed on case



CR5210 CR5220
.79" Window

Internet Resources <http://www.crmagnetics.com/>

Pricing: [pricing/5200.html](http://www.crmagnetics.com/pricing/5200.html)

See page 34 for typical applications

Part Numbers

CR5210 - ☐ 0- 5 Vdc output
CR5220 - ☐ 4 - 20 mA DC output

☐ Add suffix for input range

.79" Window

2	-	0-2 Adc
5	-	0-5 Adc
10	-	0-10 Adc

.79" Window

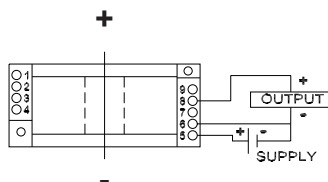
20	-	0-20 Adc
30	-	0-30 Adc
50	-	0-50 Adc
75	-	0-75 Adc
100	-	0-100 Adc
150	-	0-150 Adc
300	-	0-300 Adc

DC Current Transducer

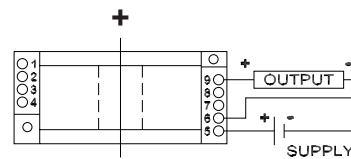
Specifications

Basic Accuracy:.....	1.0 %	Supply Voltage:.....	24 Vdc \pm 10%
Thermal Drift:.....	500 PPM/ $^{\circ}$ C	Frequency Range:.....	DC only
Operating Temperature:.....	0 $^{\circ}$ C to +50 $^{\circ}$ C	MTBF:.....	Greater than 100 K hours
Response Time:	250 ms. max., 0-90% FS	Output Load:.....0-5 Vdc.....	2 K or greater
Insulation Voltage:.....	2500 Vdc	4-20 mA DC.....	0 - 300 Ω

Connection Drawing



CR5210
0 - 5 Vdc Output



CR5220
4 - 20 mA DC Output

Outline Drawing

