



CR4320 Current Transmitter

4-20 mA Output, 2-wire

The **CR4320** series, loop-powered, 2-Wire Current Transmitter produces a calibrated 4-20 mA. DC output current directly proportional to the average RMS value of the input alternating current. The controlled current output is unaffected by variations in supply voltage, interconnect and load impedance (within specification limits) to provide a highly accurate means for monitoring alternating current over long distances.

Features

- Permanently calibrated
- Loop-powered
- Fully isolated
- 12 different ranges
- 2 case styles, .93" (23.6 mm) and 1.25" (31.8 mm) window opening
- Output overload protected



Case Style 1

Case Style 2

Specifications

Accuracy:

±0.5% Full-Scale (FS)

Repeatability:

Less than 0.1%

Ripple & Noise:

1% Max., peak to peak

Calibrated Signal Out:

4-20 mA DC

Response Time:

200 ms max., 10-90% FS

Max. Signal Out:

30 mA DC

Temperature Coefficient:

± 0.04%/°C

Supply Voltage:

24 Vdc ±10%

Frequency:

50/60 Hz

Continuous Thermal Current Rating Factor:

1.33 @ 30°C

Short Time Thermal Current

Rating Factor (For 30 Seconds):

6.0 x Full Scale for AC ranges up to 200 Amp.

4.0 x Full Scale for ranges 300 and 400 Amp.

Output Load:

0 to 600 ohms

Insulation Class:

600 V, BIL 10 kV Full Wave

Reverse Polarity Protection:

Yes

Operating Temperature Range:

-30°C to +60°C

Storage Temperature Range:

-55°C to +85°C

Approximate Weight:

1.5 pounds (.68 kg)

Part Numbers

CR4320 - □ □ □ 4-20 MA CURRENT TRANSMITTER

	Full-Scale (FS) Range in AC Amps	Case Style
5	0-5	1
10	0-10	1
15	0-15	1
20	0-20	1
30	0-30	1
50	0-50	1
75	0-75	1
100	0-100	1
150	0-150	1
200	0-200	1
300	0-300	2
400	0-400	2

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

- Transducer Selection Guide: [transducer.html](#)
- Application Sheet: [pdf/ancr4320-1.pdf](#)
- Pricing: [pricing/4320.html](#)
- Motor Loads: [mot_ld_a.pdf](#)

