A/CTA, A/SCTA





Analog Output

Sensors with 4 to 20 mA Output

The A/CTA and A/SCTA Series current sensors monitor the current flowing to electrical equipment or buildings. The magnitude of this current is then converted into a linear and proportional 4 to 20 mA output signal. The A/CTA Series current sensors are available in either an Average or True RMS output version. Nearly all of these sensors have jumper selectable input ranges, with the exception of the 0 to 5 Amp input range on the A/CTA-5 and A/SCTA-5 Series sensors. This series is fast-acting and extremely accurate from 1 to 100% of the full scale output. The sensors are factory calibrated using a NIST traceable standard. Every device on this cutsheet features a patented Din-Rail mounting system (Pat. no. US 7,416,421) for ease of installation.

140731 1 of 2

Specifications

Concor Cupply Voltage

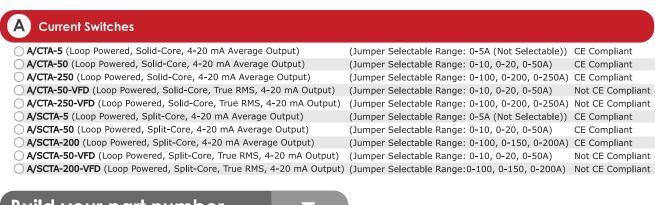
Ordering



112 to 20 VDC

Sensor Supply Voltage	+12 to 30 VDC		
Amperage Rating	0-250A (See Ordering Information)		
Supply Current	36 mA maximum		
Output	4-20 mA, 2-wire Loop Powered		
Max Load Resistance (A/CTA & A/SCTA)	700 Ohms @ 24 VDC (Vs-9)/0.02-40.2		
Max Load Resistance (A/CTA-VFD & A/SCTA-VFD)	700 Ohms @ 24 VDC (Vs-10)/0.02		
Response Time	A/CTA & A/SCTA: <75mS	A/CTA-VFD & A/SCTA-VFD: <2 secon	ds
Isolation Voltage	2,200 VAC		
Maximum Sensing Current Voltage	600 VAC		
Aperture (Hole) Size	0.75" DIA (insulated conductors required)		
Operating Temp Range (A/CTA & A/SCTA)	-15 to 40°C (5 to 104°F)		
Operating Temp Range (A/CTA-VFD & A/SCTA-VFD)	0 to 40°C (32 to 104°F)		
Operating Humidity Range	0 to 95% RH, non-condensing		
Product Dimensions	Split Core: (L) 3.33" (W) 1.08" (H) 2.70" Solid Core: (L) 3.38" (W) 0.98" (H) 2.27"		
Amp Range (A/CTA) (All Non-VFD Models)	15-200Hz: Not Rated 30-6	50Hz: +/- 0.5% Accuracy 30Hz-	LKHz:+/- 0.5% Accuracy
Amp Range (A/SCTA) (All Non-VFD Models)	15-200Hz: Not Rated 30-6	50Hz: +/- 0.5% Accuracy 30Hz-:	LKHz:+/- 0.5% Accuracy
Amp Range (A/CTA-50-VFD) (10, 20 & 50A)	15-200Hz: +/- 1% Accuracy	30-60Hz: +/- 0.75% Accuracy	30Hz-1KHz:
Amp Range (A/SCTA-50-VFD) (10, 20 & 50A)	15-200Hz: +/- 2% Accuracy	30-60Hz: +/- 0.75% Accuracy	30Hz-1KHz:
Amp Range (A/CTA-250-VFD) (100A)	15-200Hz: +/- 1% Accuracy	30-60Hz: +/- 0.75% Accuracy	30Hz-1KHz:
Amp Range (A/CTA-250-VFD) (200 & 250A)	15-200Hz: Not rated	30-60Hz: +/- 0.75% Accuracy	30Hz-1KHz:
Amp Range (A/SCTA-200-VFD) (100, 150 & 200A)	15-200Hz: Not rated	30-60Hz: +/- 0.75% Accuracy	30Hz-1KHz:

Select one Current Switch (A). **NOTE:** LEDs are intended to indicate whether power is applied. Current Switches are not to be used in Life & Safety applications, or in hazardous locations.



Build your part number

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.



EXAMPLE: A/SCTA-200-VFD









All Current Sensors, Switches and Command Relays have a UL94-5VB flammability rating for the enclosure.