



Datasheet

SPLIT CORE CURRENT TRANSDUCER

SCX Series (Current)



Precision Power control/sensing

FEATURES:

- Split Core
- 4-20 mA Output
- Selectable or Fixed Range Models
- Up to 200 amps Input Current

AC CURRENT TRANSDUCERS

SCX Series (Current)

DESCRIPTION:

The SCX (Current) Series current transducers monitor line current for electrical loads such as pumps, conveyors, machine tools, or fans and output a 4-20 mA signal to represent the load current.

The SCX (Current) Series is loop-powered and requires 15 to 30 VDC to power the device.

The transducers are typically used to monitor motor operation and can be used to determine motor failure, belt loss, machine feed rates or tool wear.

SPECIFICATION:

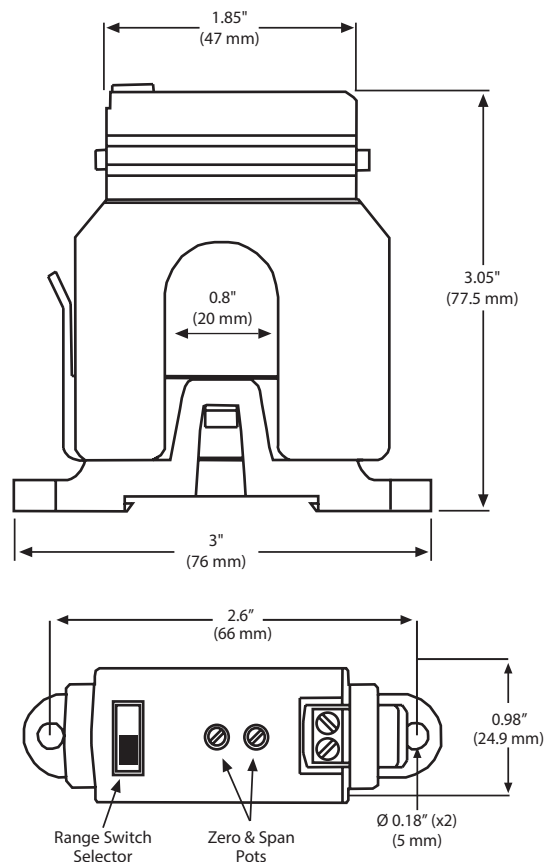
Measurement Range:	Up to 200 Amps - See ordering information
Accuracy:	± 2% FSO (10-100% of range)
Signal Output:	4-20 mA
Sensor Power:	15-30 VDC
Insulation Class:	600 VAC, insulated conductors
Frequency:	50-100 Hz
Response Time:	250 mS Typical, 0-90 %
Output Load:	250Ω typical
Operating Temperature:	5 to 140°F (-15 to 60°C)
Operating Humidity:	5 to 90% RH non-condensing
Terminal Block:	14 to 22 AWG
Dimensions:	3.0 x 3.1 x 0.98 in (76 x 79 x 24.9 mm)
Sensor Aperture:	0.8 in (20.3 mm)
Enclosure Material:	ABS/PC, UL94 V-0
Agency Approvals:	cULus Listed

FEATURES:

- No field adjustment necessary
factory calibrated
- Input / Output isolation via
current transformer
- Solid-state reliability
- Small compact size
- Solid, reliable mounting method

PRODUCT ORDERING INFORMATION

MODEL	SENSING RANGE	MAXIMUM INPUT CURRENT	SIGNAL OUTPUT
SCX42060	0-20/40/60 Amps- Switch Selectable	100 Amps Continuous	4-20 mA
SCX420150	0-50/100/150 Amps - Switch Selectable	150 Amps Continuous	4-20 mA
SCX420200	0-200 Amps	250 Amps Continuous	4-20 mA



NOTE: The range switch/jumper is not applicable for models with 1 fixed range.



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