



## Product Data

**A/SCTE Series**  
Split-Core 0-5VDC  
Output Current Sensor

**A/SCTV Series**  
Split-Core 0-10VDC  
Output Current Sensor

## Product Description

The A/SCTE and A/SCTV Series current sensors monitor the current flowing to electrical equipment or buildings. The magnitude of this current is then converted into a linear 0 to 5 VDC or 0 to 10 VDC output signal, which can be monitored by your Building Management, DDC, or PLC controller. All of these sensors have jumper selectable input ranges for increased flexibility.

The A/SCTE and A/SCTV series current sensors are fast acting and extremely accurate from 5% to 10% up to 100% of the FSO (Full Scale Output) depending on the model being ordered. All of the A/SCTE and A/SCTV series current sensors are factory calibrated using a NIST Traceable standard and shipped with the jumper placed in the largest jumper selectable range.

The power for the A/SCTE and A/SCTV series current transmitter is induced from the conductor being monitored. This means that no external power supply is necessary for the installation of these sensors.

The A/SCTE and A/SCTV Series are covered by ACI's Five (5) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's web site, which is: [www.workaci.com](http://www.workaci.com).

## Product Specifications

<b>Sensor Power</b>	Induced from monitored conductor
<b>Output Voltage</b>	A/SCTE Series: 0 to 5 VDC A/SCTV Series: 0 to 10 VDC
<b>Amperage Ranges</b>	0 to 250 Amps (See ordering information table)
<b>Accuracy</b>	A/SCTE: +/- 1.0% (5 to 100% FSO) A/SCTV: +/- 1.0% (10 to 100% FSO)
<b>Response Time</b>	A/SCTE: < 100 mS A/SCTV: < 100 mS
<b>Operating Frequency Range</b>	50 to 600 Hz
<b>Isolation Voltage</b>	2,200 VAC
<b>Max. Sensing Current Voltage</b>	600 VAC
<b>Aperture (Hole) Size</b>	0.75", Accepts up to 350 MCM Cables
<b>DIN Rail Size</b>	35mm
<b>Operating Temperature Range</b>	-15 to 40°C (5 to 104°F)
<b>Operating Humidity Range</b>	0 to 95% RH, non-condensing
<b>Enclosure Rating</b>	UL94-5VB

Wiring Diagrams available at [www.workaci.com](http://www.workaci.com)

## Current



### Attributes:

- Split-Core design is suited for retrofit applications
- Patented 35mm Din-rail mounting flange (US Patent 7,416,421)
- Rated up to 250 Amps
- Limited 5 year warranty
- Induced Power
- UL94-5VB (enclosure rating)

### Applications:

- Load trending equipment (current monitoring)
- Monitoring building loads
- Rated for industrial use (UL508)



Made in the USA

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TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

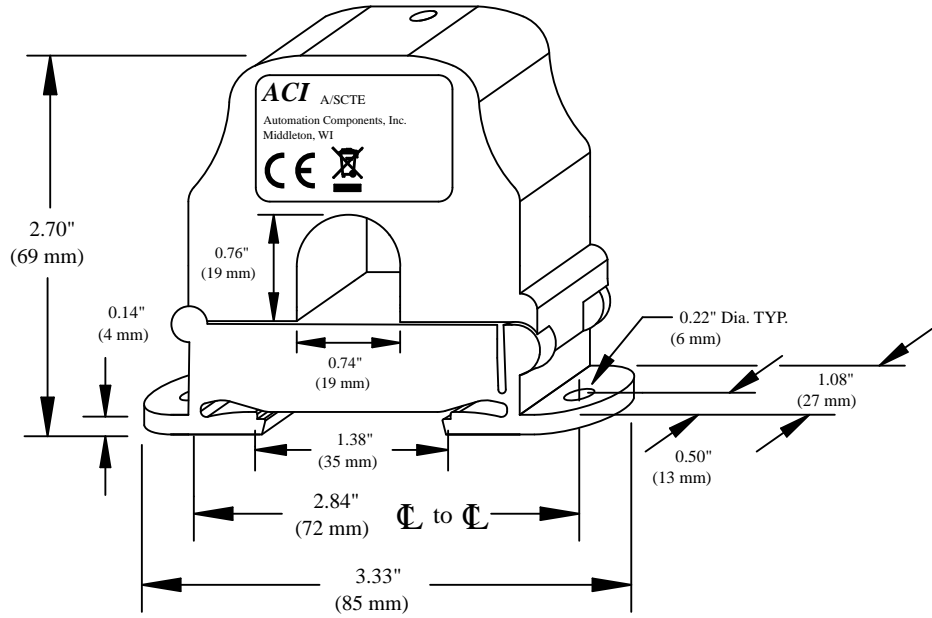
GAS SENSORS

ACCESSORIES

INTERFACE DEVICES

# Dimensions

## Split-Core



## Ordering Information

ACI Model #	Description	Jumper Selectable Ranges
A/SCTE-50	Split-Core, 0 to 5 VDC Output	0-10, 0-20, 0-50 Amps
A/SCTE-250	Split-Core, 0 to 5 VDC Output	0-100, 0-200, 0-250 Amps
A/SCTV-50	Split-Core, 0 to 10 VDC Output	0-10, 0-20, 0-50 Amps
A/SCTV-250	Split-Core, 0 to 10 VDC Output	0-100, 0-200, 0-250 Amps



**Warning:** Not intended to be used in Life & Safety Applications or for use in any hazardous locations.

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