

## Metering Series

# Split-Core Current Transducers

**CT Series: IEC 61869-2 Class 0.5s Accuracy**

For use with Senva's EMX and Branch Multi-Circuit Meter

Split-core Sensors for easy installation or retrofits

Monitor loads from 15-3000A



### DESCRIPTION

The Senva Metering Series CT's provide a high accuracy linear 0V to 0.333VAC signal output proportional to the measured current. These can be safely and simply installed to be used with most power meters, data loggers, and other instruments. Our Split-core Metering CT's come in a range of inner diameter sizes and amperages to accommodate a wide variety of installations and retrofits.

### APPLICATIONS

- Energy management and performance contracting
- Monitoring for commercial tenants
- Activity-based costing in commercial and industrial facilities
- Real-time power monitoring
- Load shedding
- Audits/temporary monitoring
- Distributed generation
- Great for data center energy power sensing



*Each outputs 0.333V (333mV) at rated current*



*Sense loads 15-3000A*



*CT's come in a range of inner diameter sizes and amperages*

### FEATURES

<ul style="list-style-type: none"> <li>• Choose from 5 aperture sizes</li> <li>• Linear output 0.333V (333mV) at rated current</li> <li>• Sense loads 15-3000A</li> </ul>	<ul style="list-style-type: none"> <li>• Use with any standard meter or data logger</li> <li>• High accuracy - Class 0.5s</li> <li>• UL recognized Instrument Transformer, CE, and RoHS compliant</li> </ul>
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## ORDERING

CT -  - 

**Size**

**CT-R1** = Round, 10.2mm I.D.  
**CT-R2** = Round, 16mm I.D.  
**CT-S2** = Square, 31.8mm I.D.  
**CT-S3** = Square, 50.1mm I.D.  
**CT-S4** = Square, 76.2mm x 127mm I.D.

**Amp Rating**

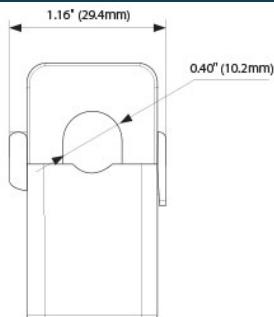
Varies based on size.  
Numbers below are in Amps

CT-R1	15, 30, 50
CT-R2	100
CT-S2	100, 150, 200, 300
CT-S3	400, 600, 800
CT-S4	1000, 1200, 1500, 2000, 3000

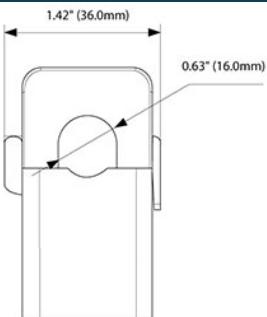
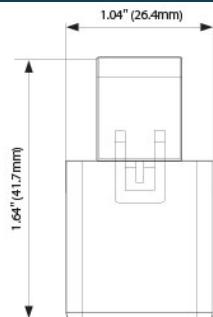
**XH CONVERSION CHART**

Old Part #	New Part #	Old Part #	New Part #
XH-SCT-T10 15A	CT-R1-15	XH-SCT-2000 400A	CT-S3-400
XH-SCT-T10 30A	CT-R1-30	XH-SCT-2000 600A	CT-S3-600
XH-SCT-T10 50A	CT-R1-50	XH-SCT-2000 800A	CT-S3-800
XH-SCT-T16 100A	CT-R2-100	XH-SCT-3000 1000A	CT-S4-1000
XH-SCT-1250 100A	CT-S2-100	XH-SCT-3000 1200A	CT-S4-1200
XH-SCT-1250 150A	CT-S2-150	XH-SCT-3000 1500A	CT-S4-1500
XH-SCT-1250 200A	CT-S2-200	XH-SCT-3000 2000A	CT-S4-2000
XH-SCT-1250 300A	CT-S2-300	XH-SCT-3000 3000A	CT-S4-3000

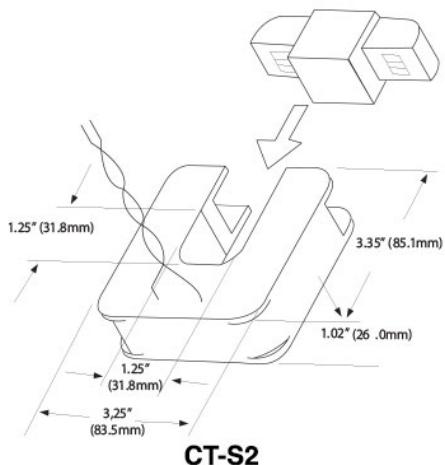
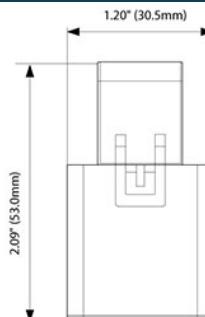
## DIMENSIONS



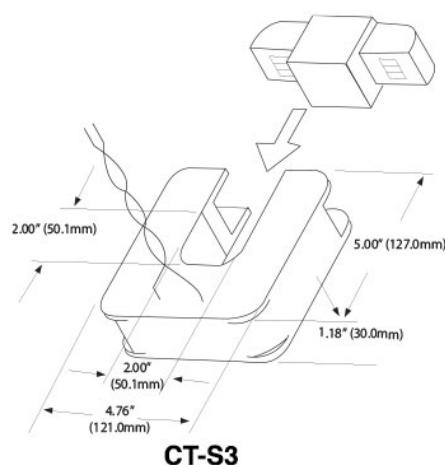
CT-R1



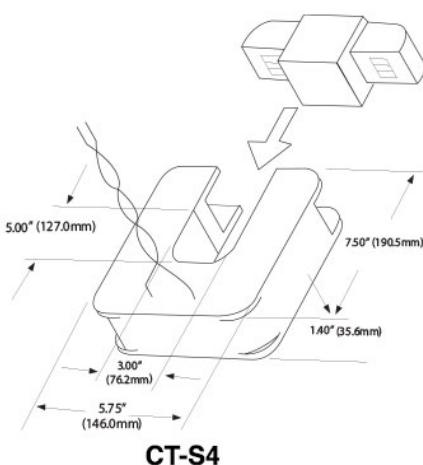
CT-R2



CT-S2



CT-S3



CT-S4



**Warning:** The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

**SPECIFICATIONS**

Performance	Accuracy (CT) $\pm 0.5\%$ From 10-120% rated current
	Accuracy (XH) $\pm 1\%$ From 5-120% rated current
Rated Output	Scale 0.333VAC
Current Range	R1/T10 15A, 30A, 50A R2/T16 100A S2/1250 100A, 150A, 200A, 300A S3/2000 400A, 600A, 800A S4/3000 1000A, 1200A, 1500A, 2000A, 3000A
Inner Diameter	R1/T10 10.2mm/10mm (0.4"/0.39"), round R2/T16 16mm (0.63"), round S2/1250 19.1mm (0.75"), square S3/2000 31.8mm (1.25"), square S4/3000 76.2mmx127mm (3"x5"), rectangular
Phase Angle	Rated Less than 2 degrees at 50% rated current
Voltage	Insulation Voltage 600VAC Primary Voltage 5000VAC (insulated conductor)
Environmental	Operating Temp (CT-R) -25 to 70°C Operating Temp (CT-S) -20 to 55°C Operating Temp (XH) -15 to 60°C
Frequency	Freq Range (CT-R/XH) 50-400Hz Freq Range (CT-S) 50/60Hz
Leads	Length (CT) 250cm, 8.25 ft. Length (XH) 105cm, 4 ft. Wire UL 1015 twisted pair, 22AWG
Agency	Compliance UL/cUL Recognized, CE Compliant, RoHS Compliant

*\* Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.*