Metering Series

Split-Core Current Transducers

CT Series: IEC 61869-2 Class 0.5s Accuracy
XH-SCT Series: 1% accuracy (*Discontinuing once stock is out*)
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 CTs provide a high-accuracy linear 0V to 0.333VAC signal output proportional to the measured current. These can be safely and simply installed for use with most power meters, data loggers, and other instruments. Our Split-core Metering CTs come in a range of inner diameter sizes and amperages to accommodate a wide variety of installations and retro-fits.

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

- Choose from 5 aperture sizes
- Linear output 0.333V (333mV) at rated current
- Sense loads 15-3000A
- Use with any standard meter or data logger
- High accuracy - Class 0.5s
- UL recognized Instrument Transformer, CE, and RoHS compliant

ORDERING

CT - ☐ - ☐

Size

CT-R1 = **R**ound, 10.2mm I.D.
CT-R2 = **R**ound, 16mm I.D.
CT-S2 = **S**quare, 31.8mm I.D.
CT-S3 = **S**quare, 50.1mm I.D.
CT-S4 = **S**quare, 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-SCT - ☐ - ☐

Size

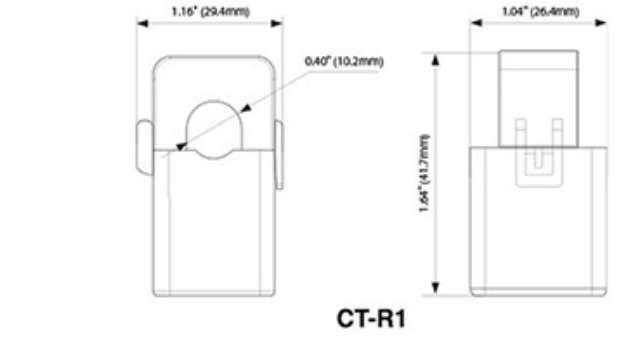
T10 = **R**ound, 10mm I.D.
T16 = **R**ound, 16mm I.D.
1250 = **S**quare, 31.8mm I.D.
2000 = **S**quare, 50.8mm I.D.
3000 = **S**quare, 76.2 x 127mm I.D.

Amp Rating

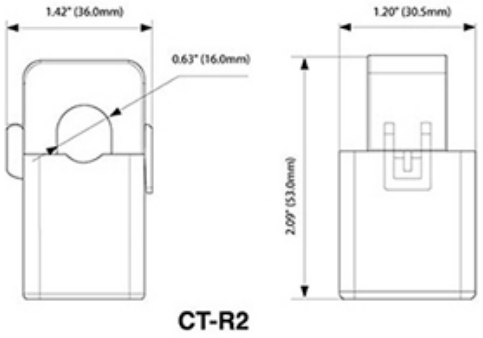
Varies based on size.
Numbers below are in Amps

T10	15, 30, 50
T16	100
1250	100, 150, 200, 300
2000	400, 600, 800
3000	1000, 1200, 1500, 2000, 3000

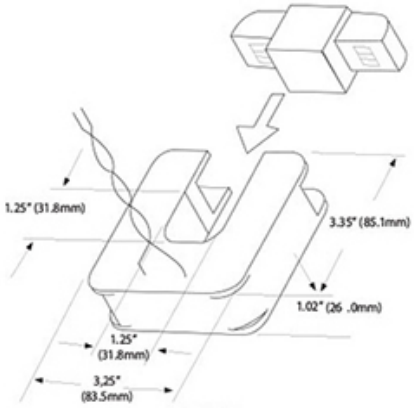
DIMENSIONS



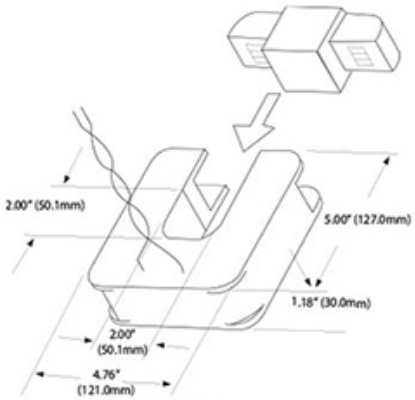
CT-R1



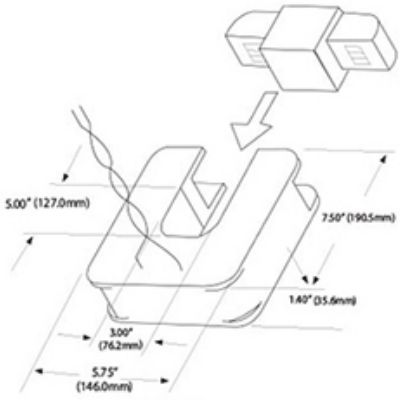
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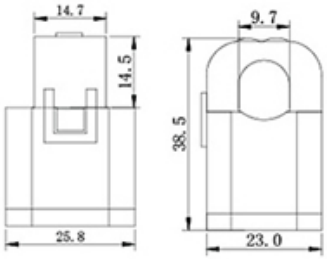
CT-S2



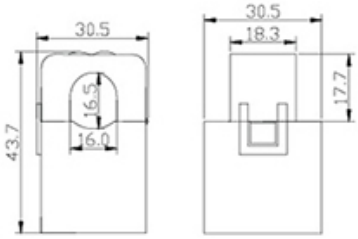
CT-S3



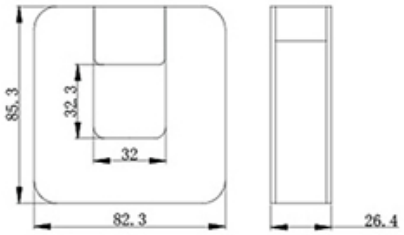
CT-S4



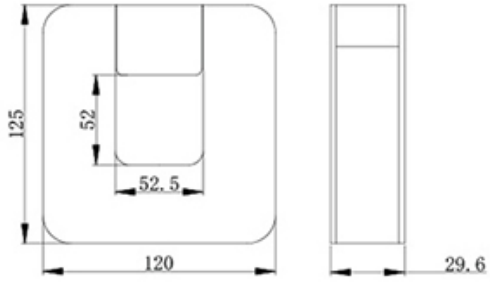
XH-SCT-T10



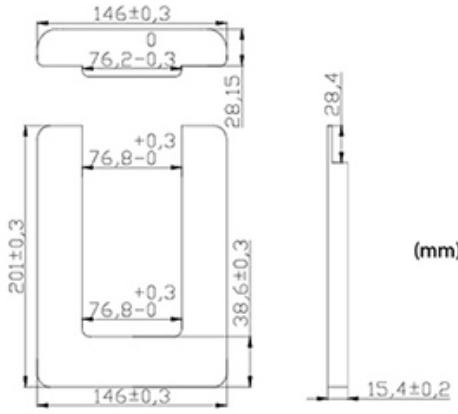
XH-SCT-T16



XH-SCT-1250



XH-SCT-2000



XH-SCT-3000

(mm) not to scale

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)	±0.5% From 10-120% rated current
	Accuracy (XH)	±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.*