

Setra's Split-Core current transformers provide a high accuracy current measurement over a wide dynamic sensing range for power metering applications. Unlike the competition, Setra offers "Safe CT's", which provide a 333 millivolt output directly proportional to the input current. These current transformers are safely and easily installed on existing power lines without disconnecting the lines and interrupting service. The standard 15 foot lead wire also fits the vast majority of all installations, eliminating excess material and time spent extending wire-length during installation.

The CT's are available from 20A to 400A, all of which are UL2808 Certified. **Setra is one of the first in the industry to provide CT's certified to the UL 2808 standard, now required in many applications.**

In addition, pairing these CTs with Setra's Power Meter provides a complete metering solution to meet your demanding applications.

Specifications

Rated current	20A	50A	100A	200A	400A
Aperture size	0.472" (12 mm)		0.944" (24 mm)		
Current range	0.1-80A	0.1-100A	1-200A	1-250A	5-500A
Output	333 mV at rated current				
Ratio error	<0.5% from 0.1 to 80A	<0.5% from 0.1 to 100A	<0.5% from 1 to 200A	<0.5% from 1 to 250A	<1% from 5 to 500A
Phase error	<1° from 1A to 80A <1.5° from 0.1A to 1A	<1° from 1A to 100A <1.5° from 0.1A to 1A	<1° from 1A to 200A	<0.75° from 1A to 250A	<0.5° from 5A to 500A
Accuracy	0.5%	0.5%	0.5%	0.5%	1%

Mechanical/Environmental

Case material	UL recognized plastic, 130°C, UL94 V0
Lead wires	15 ft (4.5 meter), Black/white twisted pair, 18 AWG (UL1015 600V 105 °C)
Operating temp.	5 to 158 °F (-15 to 70 °C)
Operating humidity	Non-condensing, 0 to 95% RH
Conditions	Indoor use, Pollution Degree 2, Altitude up to 2000 m

Electrical

Wire polarity	White = Hi, positive (+) Black = Low, negative (-)
Phase orientation	Arrow on case points toward load (downstream) side
Frequency range	50-60 Hz

Safety/Compliance

Working voltage	600 VAC, Category III (insulated wire application only)	600 VAC, Category III
Dielectric strength	3510 VAC for 1 minute	5200 VAC for 1 minute
CE mark	EMCD, LVD, ROHS	
Certifications	UL Listed (UL2808, X0BA, X0BA7)	
	UL 61010-1, CAN/CSA STD C22.2 NO. 61010-1	

Ordering information

Example part number: CTS-020
Model CTS Split-Core CT, 20 Amps.

[1]		[2]	
Model		Amps	
CTS	split-core CT	020	20 Amps
		050	50 Amps
		100	100 Amps
		200	200 Amps
		400	400 Amps

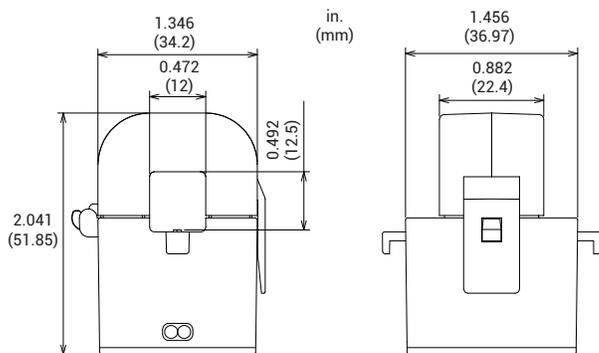


Split-Core CT

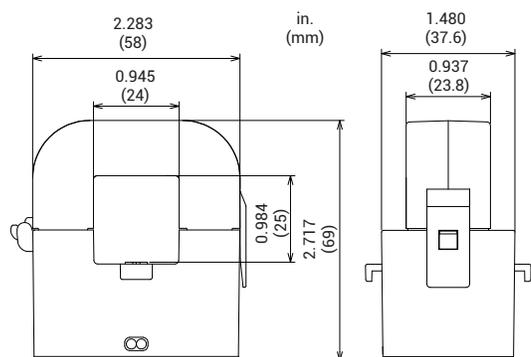
Current Transformer

Dimensions

20A, 50A



100A, 200A, 400A



2808 CERTIFIED

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