

# Ultra-precise Calibrated CT Series



POWERSIDE  
All our energy, in your power

*Shielded Split-core Calibrated CTs for use with your PQube 3*

PSL Ultra-Precise calibrated shielded split-core Current Transformers (CT's) are specifically designed to meet demanding accuracy applications.

Split-core CT's provide low voltage linear output, proportional to the measured current.

They don't require to disconnect conductor lines (open circuits) for installation.

The CT's are individually calibrated at PSL to exceed the accuracy requirements of standard: ANSI C12.20 Class 0.2 revenue grade (*Class 0.2S IEC 62053-22*)



## Product Highlights

- Easy and safe installation, no need to disconnect the line conductor. The CT connects low voltage signals to your PQube®3 current channel terminals
- Fully shielded double-insulated cable for noise immunity
- Ultra-accurate – Certified to IEC 62053-22 Class 0.2 revenue grade accuracy, IEC 61000-4-7 Class I harmonic accuracy – and unlike most other instruments, this certification includes both your PQube®3 accuracy and your CT accuracy, combined!
- Excellent frequency bandwidth, designed for harmonic measurements to 50<sup>th</sup> harmonic at 50/60 Hz
- UL listed , every CT comes with its own calibration file and NIST-trace certificate
- Rated currents 5A through 300A

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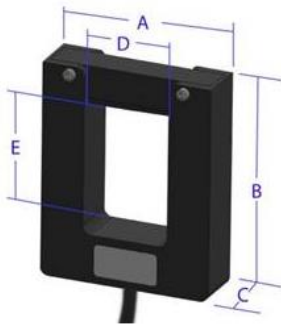
## Specifications

<b>Rated current (full scale)</b>	5 A -300 A	5 A, 20 A, 50 A, 100 A, 200 A, 300 A
<b>Nominal output</b>	0.333 VRMS <sub>s</sub>	At rated current
<b>Magnitude accuracy</b> (±% rdg ±% FS)	±0.05% typical ±0.1% specification	At 50/60 Hz, 2.5% FS ~ 120% FS Combined CT and PQube®3 accuracy
<b>Angle accuracy</b>	±0.07° typical ±0.1° specification	At 50/60 Hz, 10% FS ~ 100% FS, Combined CT and PQube®3 accuracy
<b>Accuracy certification</b>	ANSI C12.20 Class 0.2 IEC 62053-22 Class 0.2S	
<b>Crest factor</b>	3.5	
<b>Fundamental frequency</b>	50 / 60 / 400 Hz	
<b>Bandwidth</b>	40 Hz – 3000 Hz	Harmonic measurements calibrated to 50 <sup>th</sup> harmonic at 50/60 Hz per IEC 61000-4-7, class I accuracy
<b>Safety</b>	UL recognized	File nb E469208
<b>Isolation</b>	600V	
<b>Leads</b>	12 ft (3.6 m)	18 AWG shielded twisted pair : black (-), red positive (+)

IEC 62053-22 Certified Influence Quantities: Load, Power Factor, Voltage, Ambient Temperature, Frequency, Phase Sequence, Harmonics, Subharmonics, AC magnetic field, DC magnetic field, RF fields, Conducted RF, Fast Transient Burst, Oscillatory impulse

## Order Information

Choose your rated current, and selected the “Part Nb” in the table



RATED CURRENT	PSL PART NUMBER	DIMENSIONS – MM (INCHES)				
	<i>Snap Top Design</i>	A	B	C	D	E
5A	PSL Ultra-Precise CT-5A (SCN3-5A.333mV-0.7 XP)	78 (3.08")	60 (2.37")	29 (1.14")	18 (0.7")	18 (0.7")
20A	PSL Ultra-Precise CT-20A (SCN3-20A.333mV-0.7 XP)	78 (3.08")	60 (2.37")	29 (1.14")	18 (0.7")	18 (0.7")
50A	PSL Ultra-Precise CT-50A (SCN3-50A.333mV-0.7 XP)	78 (3.08")	60 (2.37")	29 (1.14")	18 (0.7")	18 (0.7")
100A	PSL Ultra-Precise CT-100A (SCN3-100A.333mV-0.7 XP)	78 (3.08")	60 (2.37")	29 (1.14")	18 (0.7")	18 (0.7")
200A	PSL Ultra-Precise CT-200A (SCN4-200A.333mV-1.25 XP)	83 (3.27")	81 (3.17")	35 (1.39")	32 (1.25")	32 (1.25")
300A	PSL Ultra-Precise CT-300A (SCN4-300A.333mV-1.25 XP)	83 (3.27")	81 (3.17")	35 (1.39")	32 (1.25")	32 (1.25")