Ultra-precise Calibrated CT Series

Features

- Fully shielded double-insulated cable for noise immunity

- Easy and safe installation, no need to disconnect the line conductor.

- Rated currents 5A to 300A

- Excellent frequency bandwidth, designed for harmonic measurements to 50th harmonic at 50/60 Hz

- Unlike most instruments in the market, the certification combines the PQube 3 and the CT accuracy

- Ultra-accurate certified revenue grade to ANSI C12.20 Class 0.2 and IEC 62053-22 Class 0,2s, IEC 61000-4-7 Class I harmonic accuracy

- UL listed, every CT comes with its own calibration file and NIST-trace certificate

- Connects low voltage signals to the PQube 3 current channel terminals

Overview

Powerside's ultra-precise calibrated shielded split-core CT for PQube® 3 are specifically designed to meet high demanding accuracy applications.

For use with your PQube 3, 3r & 3e current inputs. The split-core CT provides low voltage linear output, proportional to the measured current.

They can be used with all 8 current channels of the PQube 3, and on all 14 current channels of the PQube 3e.

Each CT is individually calibrated to meet or exceed Class 0.2 Revenue grade accuracy.

SPECIFICATIONS

Rated Current (Full Scale)	5 A to 300 A 5 A, 20 A, 50 A, 100 A, 200 A, 300 A
Nominal Output	0.333 VRMS at rated current
Crest Factor	3.5*
Fundamental Frequency	50Hz / 60Hz / 400Hz
Bandwidth	40 to 3000 Hz Harmonic measurements calibrated to 50th harmonic at 50/60 Hz per IEC 61000-4-7, class I accuracy
Safety	UL recognized File nb E469208
Environment	Temperature: -40° to 55° C Humidity: 0 to 95% non-condensing Altitude: up to 2000 meters Pollution Degree 2
Isolation	600V to earth
Leads	13 ft (4 m) 18 AWG shielded twisted pair Black negative (-), red/white positive (+)

ACCURACY SPECIFICATIONS

Magnitude Accuracy (±% rdg ±% FS)	±0.05% typical, ±0.1% specification at 50/60 Hz, 2.5% FS to 120% FS Combined CT and PQube 3 accuracy
Angle Accuracy	±0.07° typical ±0.1° specification
Accuracy Certification	ANSI C12.20 Class 0.2 IEC 62053-22 Class 0.2S At 50/60 Hz, 10% FS to 100% FS, Combined CT and PQube 3 accuracy

* 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
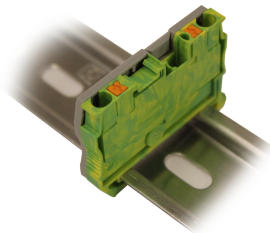
POWERSIDE®

All our energy, in your power

ORDER INFORMATION

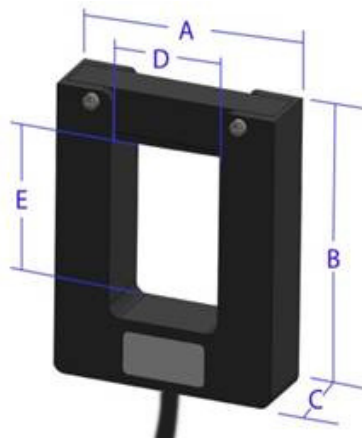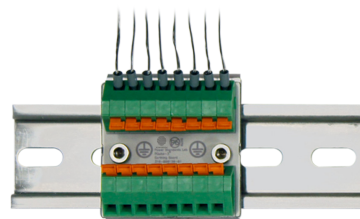| RATED CURRENT	PART NUMBER	DIMENSIONS				
		A	**B**	**C**	**D**	**E**
5A	SCN3-5A:333mV-0.7 XP	3.08 in (78cm)	2.37 in (60cm)	1.14 in (29cm)	0.7 in (18cm)	0.7 in (18cm)
20A	SCN3-20A:333mV-0.7 XP	3.08 in (78cm)	2.37 in (60cm)	1.14 in (29cm)	0.7 in (18cm)	0.7 in (18cm)
50A	SCN3-50A:333mV-0.7 XP)	3.08 in (78cm)	2.37 in (60cm)	1.14 in (29cm)	0.7 in (18cm)	0.7 in (18cm)
100A	SCN3-100A:333mV-0.7 XP	3.08 in (78cm)	2.37 in (60cm)	1.14 in (29cm)	0.7 in (18cm)	0.7 in (18cm)
200A	SCN4-200A:333mV-1.25 XP	3.27in (83cm)	3.17 in (81cm)	1.39 in (35cm)	1.25 in (32cm)	1.25 in (32cm)
300A	SCN4-300A:333mV-1.25XP	3.27in (83cm)	3.17 in (81cm)	1.39 in (35cm)	1.25 in (32cm)	1.25 in (32cm)

ACCESSORIES	
2 POS Terminal Block Part Number: TB-GND-6.2mm-00	**16 POS Terminal Block** Part Number: SWG-16-00

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All our energy, in your power