

# 50A/100A SMALL SPLIT CORE CURRENT TRANSFORMERS



Split-core current transformers provide linear output voltage that is directly proportional to the input current. These transformers are safely and easily installed over existing electrical power lines without disconnecting the lines or interrupting service.

DENT's energy monitoring components are used for a variety of applications including building automation, tenant submetering, performance verification, energy management, and new technology assessment.



## KEY SPECIFICATIONS

<b>Window Size</b>	0.75" (1.90 cm)
<b>Current Range</b>	50A Model: 2 - 65A AC 100A Model: 2 - 130A AC
<b>Output</b>	333 mV at rated current
<b>Ratio Error</b>	<1% at rated current (typical)
<b>Phase Error</b>	<2° at rated current (typical)

## ELECTRICAL

Output	333 mV at rated current
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Frequency Range	50 to 400 Hz

## MECHANICAL

Case Material	Epoxy encapsulated housing
Leads	2.7 M (8'), twisted pair, 20 AWG
Operating Temperature	-20° to 55°C (-4° to 131°F)

## SAFETY

Working Voltage	600 VAC, Category III
Dielectric Strength	5000 VAC around case 600V rated leads
Certification	Conforms to: UL STD 61010-1 EN 60044-1 Certified to: CAN/CSA STD C22.2 No. 61010-1



## PART NUMBERS

CT-SCS-0050-U/B	50A Small Split Core
CT-SCS-0100-U/B	100A Small Split Core

## CONTACT US

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DENT P/N	NOMINAL RATING (Amps)	USEFUL CURRENT RANGE (Amps)	DIMENSIONS				
			A	B	C	D	E
CT-SCS-0050	50	2 - 65	5.08 cm (2.0")	5.34 cm (2.1")	1.55 cm (0.6")	1.90 cm (0.75")	1.90 cm (0.75")
CT-SCS-0100	100	2 - 130					

