



Panel Components & Systems, Inc.

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# CT SPECIFICATIONS

SPLIT CORE CURRENT TRANSFORMER

## 5A HIGH ACCURACY

## 1.9 CM (.75") WINDOW

The High Accuracy 5A current transformer is an indoor type CT. An internal voltage setting resistor and calibration trimmer sets the full scale output voltage to 100 mV, 250 mV, 333 mV or 1000 mV. This resistor also serves as open circuit shock protection for the installer. The removable leg contains a polished and lapped spring loaded core that mates with the precision core in the main housing. The phase displacement is adjusted to be within +/-30°.

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.



### ELECTRICAL SPECIFICATIONS

#### Output Signal

User Adjustable:

100mV/250mV/333mV/1000mV

#### Accuracy

+/- 1% at 0.5% to 140% of rated current

#### Phase Shift

+/- 0.5° at rated current

#### Frequency Range

10 Hz to 10 KHz

### MECHANICAL SPECIFICATIONS

#### Dimensions

8.4 x 6.4 x 2.5 cm

(3.3 x 2.5 x 1.0")

#### Polarity

White lead is positive

#### Output Lead

Leads 2.7 m (8 ft) twisted pair

22 AWG

#### Operating Temperature

-20 to 50 (-4° to 122° F)

### OTHER FEATURES

#### Window Size

1.90 cm (.75")

#### Weight

136 g (4.8 oz)

#### Dielectric Strength

5000V around the case

600V rated leads

#### Storage Temperature

Maximum 105°C (220°F)

#### Case Protection

Plastic ABS/PVS or Epoxy

encapsulated housing

### SAFETY SPECIFICATIONS

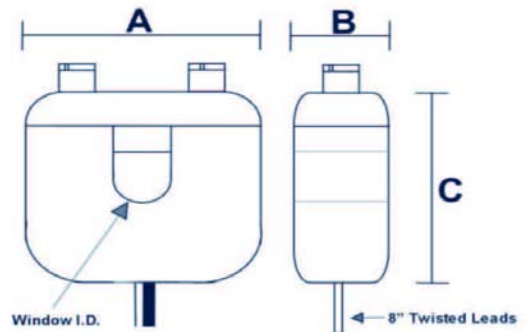
#### ETL Listed

Compliant with IEEE C57.13-1993

#### Working Voltage

Maximum 600Vrms

DENT P/N	NOMINAL RATING (Amps)	USEFUL CURRENT RANGE (Amps)	DIMENSIONS			
			A	B	C	Window Diameter
CT-SCS-0005	5	0.05 - 7	8.4 cm (3.3")	2.5 cm (1.0")	6.4 cm (2.5")	1.9 cm (.75")



### ORDERING PART NUMBER

CT-SCS-0005-U (unterminated)

CT-SCS-0005-B (banana plugs)

Call PC&S for all your DENT Instrument needs!