

# 200A ROUND MEDIUM HINGED 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

Window Size	1.0" (25mm)
Current Range	2 - 240A AC
Output	333.3 mV at rated current
Ratio Error*	<0.5% at rated current (typical)
Phase Error*	<1° at rated current (typical)

\* For maximum performance, keep CT contact surfaces wiped clean and free of debris.



## ELECTRICAL

Output	333.3 mV at rated current
Output Impedance (typ)	6 ohms
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Frequency Range	50/60 Hz

## MECHANICAL

Case Material	White Nylon, UL 94v0
Leads	3 M (9.8'), twisted pair, 24 AWG
Operating Temperature	-40° to 55°C (-40° to 131°F)

## SAFETY

Working Voltage	600 VAC, Category III
Certification	  UL 2808 EN 61869-1 EN 61869-2 EN 61000-6-1 CAN/CSA STD C22.2 No. 61010-1-12

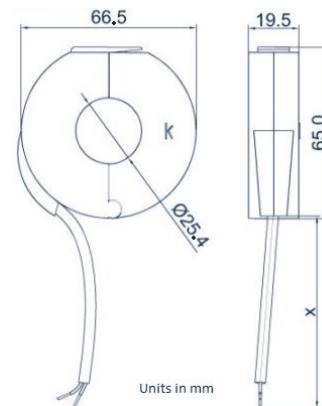
## PART NUMBER

CT-SCCM-0200-U	200A Medium Split Core Round
----------------	------------------------------

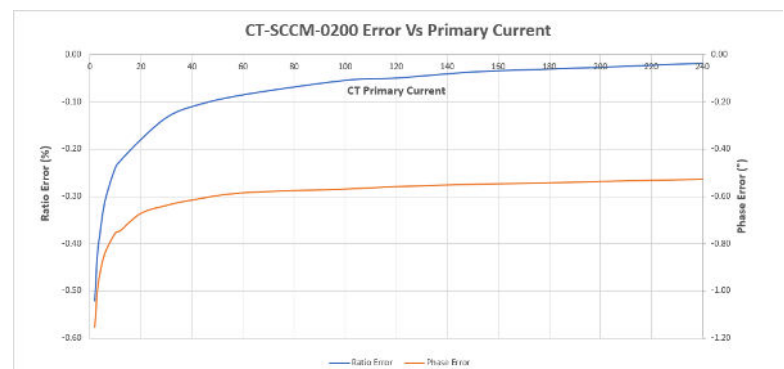
## CONTACT US

**DENT Instruments, Inc.**  
Energy & Power Measurement Solutions  
An ISO 9001:2008 Certified Company

925 SW EMKAY DRIVE  
BEND, OREGON 97702 USA  
541.388.4774 | 800.388.0770  
WWW.DENTINSTRUMENTS.COM



Units in mm



All specifications contained in this document are subject to change without notice.  
© DENT INSTRUMENTS, INC.  
rev042723



## STEP-BY-STEP GUIDE TO CONNECTING ROUND HINGED SPLIT-CORE CTs TO A LOAD

**ALL WORK SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN USING PROPER SAFETY EQUIPMENT**

☐ Equipment is protected throughout by double insulation (IEC 536 Class III)

1. Open the CT by undoing the latch with a small screwdriver and swinging the leg of the CT open.
2. Connect the CT around the load conductor to be measured. Make sure the maximum current of the conductor does not exceed the CT's rating. The arrow on the CT points towards the load.
3. Re-connect the latch--you will hear the CT click when it is properly closed. The conductor should be in the inside of the CT window.
4. Repeat Steps 1-3 if you are using more than one CT.
5. [Optional] Use two zip ties to secure the CT to the conductor by wrapping one zip tie around each of the CT's mounting brackets. This will ensure the CT does not slide on the conductor once installed.
6. Connect the **white wire** on the CT to the **positive terminal** on the measuring device.
7. Connect the **black wire** on the CT to the **negative terminal** on the measuring device.
8. You are now ready to begin your monitoring session.

### UL 2808 Installation Instructions:

1. Always open or disconnect circuit from power-distribution system (or service) of building before installing or servicing current transformers.
2. The current transformers may not be installed in equipment where they exceed 75 percent of the wiring space of any cross-sectional area within the equipment.
3. Restrict installation of current transformer in an area where it would block ventilation openings.
4. Restrict installation of current transformer in area of breaker arc venting.
5. "Not suitable for Class 2 wiring methods" and "Not intended for connection to Class 2 equipment".
6. Secure current transformer and route conductors so that they do not directly contact live terminals or bus.