

# AcuCT R Series

## AcuCT-100R

Revenue Grade Split-Core  
Current Transformer Datasheet



The AcuCT R Series CTs are premium, revenue grade split-core current transformers with a selection output options and class-leading accuracy. UL2808 Listed for guaranteed safety and quality, the AcuCT R Series combines a compact, durable form factor with a sturdy latch for added assurance in challenging applications. Installation is straightforward thanks to the user-friendly, press-open design.

### Features

- Revenue grade accuracy: IEC 61869-2 Class 0.5s (from 5% - 120% of rated current)
- Choose from multiple voltage or current secondary output options including 1A and 333mV
- The press-open design helps to speed and simplify installation
- Includes accessories for several mounting options
- UL Listed for XOBA UL2808 standard, CSA C22.2 No. 61010-1



### Accuenergy Inc.

Los Angeles - Toronto - Pretoria  
North America Toll Free: 1-877-721-8908  
Web: [www.accuenergy.com](http://www.accuenergy.com)  
Email: [marketing@accuenergy.com](mailto:marketing@accuenergy.com)

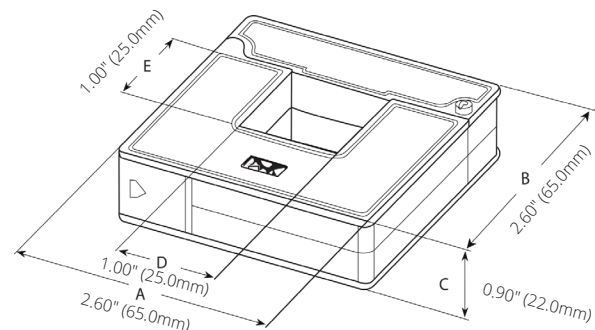
Revision Date: August 2023 Version: 1.0.2  
Specs Subject To Change Without Notice



### Specifications

<b>RATED CURRENT</b>		100A, 200A, 250A
Current Range		5% - 120% of rated current
Output		1A, 80mA, 100mA, 200mA, 333mV
Accuracy		IEC 61869-2 Class 0.5s
<b>MECHANICAL/ENVIRONMENTAL</b>		
Form Factor		Press Open Split-Core CT
Window Size		25.0mm x 25.0mm (1.00" x 1.00")
Exterior Dimensions		65.0mm x 65.0mm x 22.0mm 2.60" x 2.60" x 0.90"
Case Material		UL enclosure rated to 135°C (275°F)
Lead Wires		2.5m (8ft) UL 1015 18AWG
Operating Temperature		-25°C to 70°C / -13°F to 158°F
Operating Humidity		Non-condensing, 0 to 95% RH
Installation Conditions		Indoor Use
<b>ELECTRICAL</b>		
Wire Polarity		White=Positive, Black=Negative
Phase Orientation		Arrow Points Towards Load
Frequency Range		50/60Hz
Output Resistance (Voltage Output)@333mV; burden@80mA, 100mA, 200mA, 5A, 1A		100A/333mV: 25Ω / 200A/333mV: 12.5Ω / 250A/333mV: 10Ω / 80mA,100mA,200mA: 10Ω / 1A: 1VA
<b>SAFETY/COMPLIANCE</b>		
Withstand Voltage		5.0KV/1mA/1min
Rated Voltage		600VAC, Rated CAT III
Certifications		CE, RoHS, UL Listed UL2808 (E469633) 61010-1 and CSA 22.2 IEEE 61869-2

### Dimensions



### Ordering Information

		Rated Input	Rated Output
Ordering Number	AcuCT-100R	-	:
Ordering Example	AcuCT-100R	- 100	: 333mV
		100: 100A	1A
		200: 200A	333mV
		250: 250A	80mA
			100mA
			200mA