AcuCT-S77 Series

Revenue Grade Solid-Core Current Transformer Datasheet



The solid-core AcuCT S77 current transformer features industry-leading 0.15% accuracy and is Measurement Canada approved. An essential tool in revenue or billing applications, the S77 can be paired with high-accuracy power and energy meters to deliver best-inclass signal transformation and precision measurements. The solid-core form factor is resilient against dust or debris and is ideal for challenging installation sites.

Features

- Accuracy class: 0.15%
- Two current input options: 100A or 200A
- Two rated output options: 80mA or 100mA
- Rugged Solid-Core design for highperformance in harsh environments
- Measurement Canada Approved
- UL2808 Listed, 61010-1, & CSA 22.2











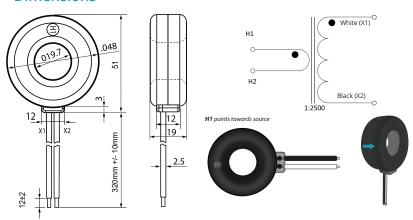
Accuenergy (Canada) Inc. Los Angeles - Toronto - Beijing - Pretoria North America Toll Free: 1-877-721-8908 Web: www.accuenergy.com

ACCUENERGY

Specifications

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RATED CURRENT	100A, 200A				
Current Range	10%-120% of rated current				
Output	80mA, 100mA				
Ratio Error	≤ ± 0.1 from 2% to 100% rated current				
Phase Error	≤60°				
Accuracy	0.15%				
MECHANICAL/ENVIRONMENTAL					
Form Factor	Solid-Core CT				
Window Size	Ø 19.6mm (0.77")				
Exterior Dimensions	51.0mm x 19.0mm 2.00" x 0.75"				
Case Material	UL 94V-0 rated flame retardant				
Lead Wires	1' (305mm), 18AWG UL 1015				
Operating Temperature	-25°C to 80°C / -13°F to 176°F				
Operating Humidity	Non-Condensing, 80 to 90% RH				
Installation Conditions	Indoor Use				
ELECTRICAL					
Wire Polarity	White=Positive, Black=Negative				
Phase Orientation	H1 points towards source				
Frequency Range	50/60Hz				
Burden	0.005VA				
Impulse Insulation (BIL)	10kV				
Insulation Resistance	50ΜΩ				
SAFETY/COMPLIANCE					
Rated Voltage	600V				
Certifications	CE, RoHS, UL Listed UL2808 (E469633) 61010-1, CSA 22.2				
Measurement Canada Approved	0.15 class				

Dimensions



Ordering Information

	Model		Rated Input		Rated Output
Ordering Number		-		:	
Ordering Example	AcuCT-S77	-	100	:	100mA
			100:100A		80mA
			200: 200A		100mA