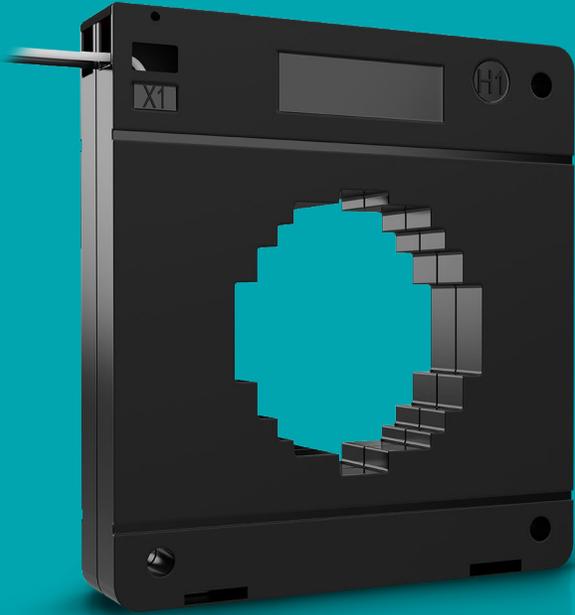


AcuCT-S220 Series

Switchgear Solid-Core Current Transformer



High precision solid-core current transformer for permanent installations. The AcuCT S220 features multiple input and output options in a small compact form factor. It provides consistent, reliable measurements across industrial and commercial for general metering or switchgear applications.

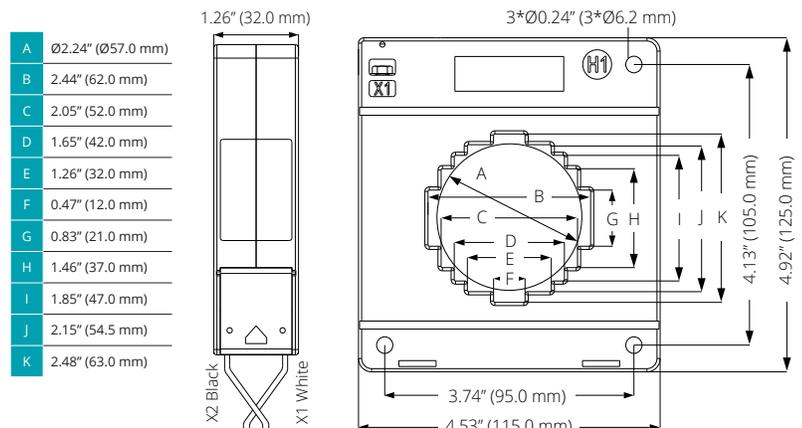
Features

- Accuracy class: 0.5, 0.5S, 0.2
- Current input options: 200A, 400A, 600A, 800A, 1000A, 1200A, 1500A
- Choose from five output options: 5A, 1A, 100mA, 80mA, 333mV

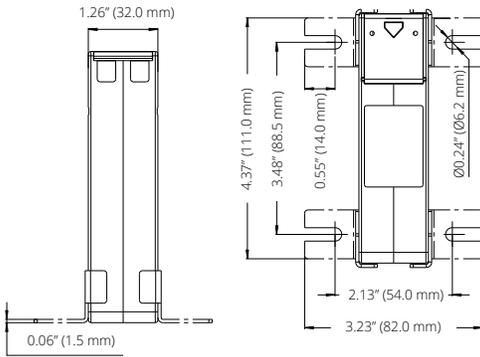
Specifications

RATED CURRENT	200A, 400A, 600A, 800A, 1000A, 1200A, 1500A
Current Range	5%-120% of rated current
Output	5A, 1A, 100mA, 80mA, 333mV
Accuracy	IEC 61869-2 0.5, 0.5S, 0.2
MECHANICAL/ENVIRONMENTAL	
Form Factor	Solid-Core CT
Window Size	Ø 57.0 mm (2.24")
Exterior Dimensions	115.0mm x 125.0mm x 32.0mm 4.53" x 4.92" x 1.26"
Case Material	Epoxy encapsulated housing
Lead Wires	2.5m (8ft), Twisted Pair, 18AWG
Operating Temperature	-25°C to 70°C / -13°F to 158°F
Storage Temperature	-40°C to 80°C / -40°F to 176°F
Operating Humidity	<90% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Wire Polarity	White=Positive, Black=Negative
Phase Orientation	H1 points towards source
Frequency Range	50-60Hz
Burden	2.5-10VA
Withstand Voltage	3,000Vac
Insulation Resistance	500V/100MΩ min
SAFETY/COMPLIANCE	
Rated Voltage	600VAC, Rated CAT III
Certifications	CE, RoHS, UL Listed UL 2808, CSA 22.2

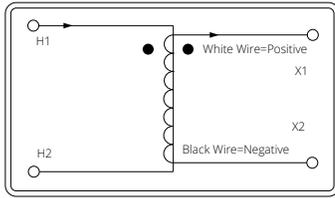
Dimensions



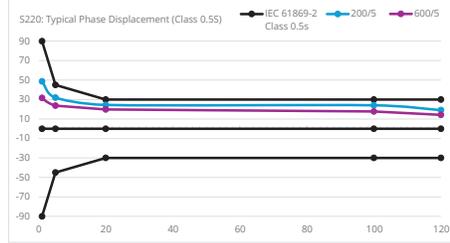
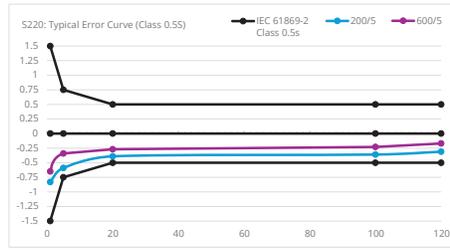
Mounting Dimension



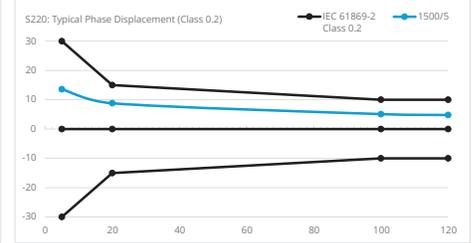
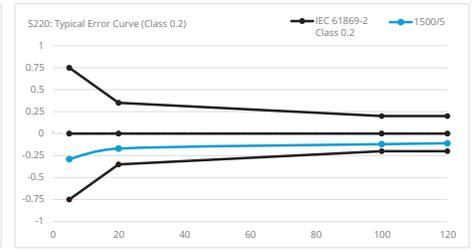
Installation Instructions



Accuracy Class 0.5s



Accuracy Class 0.2



Typical Parameter

MODEL	CURRENT RATIO	ACCURACY	BURDEN / RESISTANCE	LEAD LENGTH
AcuCT-S220-200:5A	200/5A	0.5S	2.5VA	2.5M
AcuCT-S220-400:5A	400/5A	0.5S	2.5VA	2.5M
AcuCT-S220-600:5A	600/5A	0.5S	2.5VA	2.5M
AcuCT-S220-800:5A	800/5A	0.2	5VA	2.5M
AcuCT-S220-1000:5A	1000/5A	0.2	10VA	2.5M
AcuCT-S220-1200:5A	1200/5A	0.2	10VA	2.5M
AcuCT-S220-1500:5A	1500/5A	0.2	10VA	2.5M
AcuCT-S220-200:1A	200/1A	0.2	2.5VA	2.5M
AcuCT-S220-400:1A	400/1A	0.2	2.5VA	2.5M
AcuCT-S220-600:1A	600/1A	0.2	2.5VA	2.5M
AcuCT-S220-800:1A	800/1A	0.2	5VA	2.5M
AcuCT-S220-1000:1A	1000/1A	0.2	10VA	2.5M
AcuCT-S220-1200:1A	1200/1A	0.2	10VA	2.5M
AcuCT-S220-1500:1A	1500/1A	0.2	10VA	2.5M
AcuCT-S220-200:100mA	200/100mA	0.2	10Ω	2.5M
AcuCT-S220-400:100mA	400/100mA	0.2	10Ω	2.5M
AcuCT-S220-600:100mA	600/100mA	0.2	10Ω	2.5M
AcuCT-S220-800:100mA	800/100mA	0.2	10Ω	2.5M
AcuCT-S220-1000:100mA	1000/100mA	0.2	10Ω	2.5M
AcuCT-S220-1200:100mA	1200/100mA	0.2	10Ω	2.5M
AcuCT-S220-1500:100mA	1500/100mA	0.2	10Ω	2.5M
AcuCT-S220-200:80mA	200/80mA	0.2	10Ω	2.5M
AcuCT-S220-400:80mA	400/80mA	0.2	10Ω	2.5M
AcuCT-S220-600:80mA	600/80mA	0.2	10Ω	2.5M
AcuCT-S220-800:80mA	800/80mA	0.2	10Ω	2.5M
AcuCT-S220-1000:80mA	1000/80mA	0.2	10Ω	2.5M
AcuCT-S220-1200:80mA	1200/80mA	0.2	10Ω	2.5M

AcuCT-S220-1500:80mA	1500/80mA	0.2	10Ω	2.5M
AcuCT-S220-200:333mV	200/333mV	0.2	5.2Ω	2.5M
AcuCT-S220-400:333mV	400/333mV	0.2	2.6Ω	2.5M
AcuCT-S220-600:333mV	600/333mV	0.2	1.7Ω	2.5M
AcuCT-S220-800:333mV	800/333mV	0.2	1.3Ω	2.5M
AcuCT-S220-1000:333mV	1000/333mV	0.2	1.2Ω	2.5M
AcuCT-S220-1200:333mV	1200/333mV	0.2	1Ω	2.5M
AcuCT-S220-1500:333mV	1500/333mV	0.2	0.8Ω	2.5M

The values in the table are the additional burden values containing 2.5 meters leads.

Ordering Information

Model	- Rated Input	: Rated Output	- Accuracy	
AcuCT-S220	200: 200A	1A	<i>Blank (Leave empty): 0.2</i>	
	400: 400A	333mV		
	600: 600A	100mA		
	800: 800A	80mA		
	1000: 100A			
	1200: 1200A			
	1500: 1500A			
AcuCT-S220	800: 800A	5A	<i>Blank (Leave empty): 0.2</i>	
	1000: 100A			
	1200: 1200A			
	1500: 1500A			
AcuCT-S220	200: 200A	5A	0.5S	
	400: 400A			
	600: 600A			
Ordering Example	AcuCT-S220	400	: 333mV	
	AcuCT-S220	1200	: 5A	
	AcuCT-S220	400	: 5A	- 0.5S



Accuenergy Inc.

Los Angeles - Toronto - Pretoria

North America Toll Free: 1-877-721-8908

Web: www.accuenergy.com

Email: marketing@accuenergy.com

Revision Date: December 2025 Version: 1.0.5

Specs Subject To Change Without Notice.