HAB-16555

DC Current Sensors Datasheet

The HAB Series Hall effect DC current sensor is designed to measure up to 5000A of DC current with 0.5% accuracy. Designed to adapt, the HAB is available with either 4-20mA or 0-5V output and as either a uni-directional or bi-directional device for broad compatibility. Suited for existing applications, the split-core design can be installed without wire or cable disconnection.

Features

- Accuracy class: 0.5%
- Choose from five input options
- Two rated outputs: 4-20mA or 0-5V rated output
- Non-obtrusive, split core design is installer-friendly
- Available as a uni-directional or bi-directional device
- CE and RoHS compliant

CE RoHS COMPLIANT

Accuenergy Inc.
Los Angeles - Toronto - Pretoria
North America Toll Free: 1-877-721-8908
Web: www.accuenergy.com
Email: marketing@accuenergy.com

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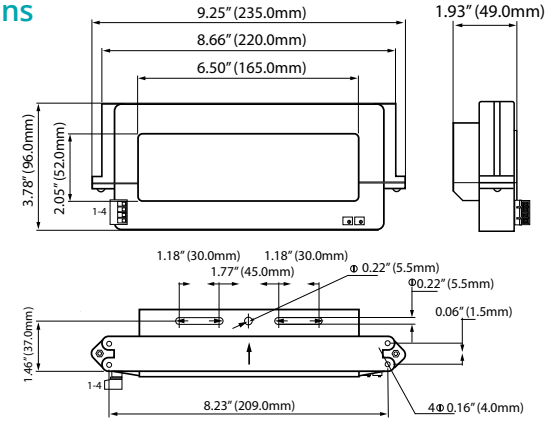
Specs Subject To Change Without Notice.

Specifications

RATED CURRENT	1000A, 2000A, 3000A, 4000A, 5000A
Current Range	10-120% of rated current
Output	4-20mA, 0-5V
Accuracy	0.5%
MECHANICAL/ENVIRONMENTAL	
Form Factor	Split-Core CT, Rectangle, Removable Face
Window Size	165.0mm x 52.0mm (6.50" x 2.05")
Exterior Dimensions	235.0mm x 96.0mm x 49.0mm 9.25" x 3.78" x 1.93"
Case Material	Epoxy encapsulated housing, UL 94V-0
Lead Wires	Terminal Output
Operating Temperature	-10°C to 85°C / 14°F to 185°F
Storage Temperature	-15°C to 90°C / 5°F to 194°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Wire Polarity	Follow markings on terminal block connector
Phase Orientation	Choose: Uni- or Bi-Directional
Frequency Range	DC
Power Supply	±15V
Direction	Bi-directional, Uni-directional
SAFETY/COMPLIANCE	
Withstand Voltage	2,500V RMS @ 50HZ for 1 minute
Certifications	CE, RoHS

Dimensions



Ordering Information

	Model		*Rated Input*		*Rated Output*		*Directional*
Ordering Number		-		:		-	
Ordering Example	**HAB 16555**	**-**	**1000**	**:**	**A2**	**-**	**B**
			1000: 1000A		A2: 4-20mA		Blank - *Uni-directional*
			2000: 2000A		A3: 0-5V		B - *Bi-directional*
			3000: 3000A				
			4000: 4000A				
			5000: 5000A				