# **ACCUENERGY**

# **HAK Series**

Hall Effect DC Current Sensor



# DATASHEET



# **HAK Series**

HAK21

Hall Effect DC Current Sensor Datasheet



The HAK Series Hall effect DC current sensors provide precision measurements of DC current up to 200A with a standard 4-20mA or 0-5V output signal for broad compatibility. Featuring a hinged split-core design for fast, easy installation into existing systems, the HAK provides accurate 0.5% measurements for any DC project and is available as either a unidirectional or bi-directional device.

#### **Features**

- Accuracy class: 0.5%
- Multiple current input options for wide compatibility
- Two available output options: 4-20mA or 0-5V
- Features a hinged split-core design for fast installation
- Measure up to 200A DC current (depending on model)

C E ROHS

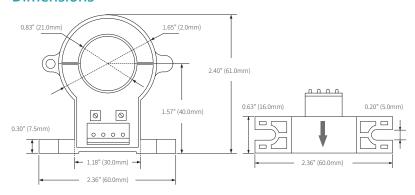




### **Specifications**

· ·						
RATED CURRENT	50A, 100A, 200A					
Current Range	10-120% of rated current					
Output	4-20mA or 0-5V					
Accuracy	0.5%					
MECHANICAL/ENVIRONMENTAL						
Form Factor	Hinged Split-Core CT					
Window Size	Ø 21.0mm (0.83")					
Exterior Dimensions	60.0mm x 61.0mm x 16.0mm 2.36" x 2.40" x 0.63"					
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	-40°C to 90°C / -40°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					
SAFETY/COMPLIANCE						
Dielectric Strength	5,000V RMS @ 50HZ for 1 minute					
Certifications	CE, RoHS					

#### **Dimensions**



## **Ordering Information**

	Model		Rated Input		Rated Output
Ordering Number		-		:	
Ordering Example	HAK21	-	100	:	A2
			50: 50A		A2: 4-20mA
			100: 100A		A3: 0-5V
			200: 200A		



# **HAK Series**

## HAK40

Hall Effect DC Current Sensor Datasheet



The HAK Series Hall effect DC current sensors provide precision measurements of DC current up to 1000A with a standard 4-20mA or 0-5V output signal for broad compatibility. Featuring a hinged split-core design for fast, easy installation into existing systems, the HAK provides accurate 0.5% measurements for any DC project and is available as either a unidirectional or bi-directional device.

#### **Features**

- Accuracy class: 0.5%
- Multiple current input options for wide compatibility
- Two available output options: 4-20mA or 0-5V
- Features a split-core design for fast installation
- Measure up to 1000A DC current (depending on model)

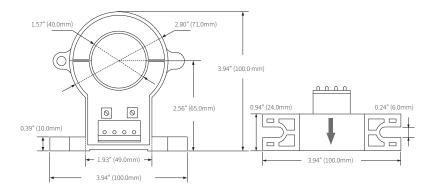




### **Specifications**

RATED CURRENT	400A, 600A, 1000A					
Current Range	10-120% of rated current					
Output	4-20mA or 0-5V					
Accuracy	0.5%					
MECHANICAL/ENVIRONMENTAL						
Form Factor	Hinged Split-Core CT					
Window Size	Ø 40.0mm (1.58")					
Exterior Dimensions	100.0mm x 100.0mm x 24.0mm 3.94" x 3.94" x 0.94"					
Case Material	Epoxy encapsulated housing, UL 94V-0					
Operating Temperature	-10°C to 85°C / 14°F to 185°F					
Storage Temperature	-40°C to 90°C / -40°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					
SAFETY/COMPLIANCE						
Dielectric Strength	5,000V RMS @ 50HZ for 1 minute					
Certifications	CE, RoHS					

#### **Dimensions**



# **Ordering Information**

	Model		Rated Input		Rated Output
Ordering Number		-		:	
Ordering Example	HAK40		600		A2
			400: 400A		A2: 4-20mA
			600: 600A		A3: 0-5V
			1000: 1000A		

