ACCUENERGY

Shunt Series

DC Current Shunt



DATASHEET

Shunt Series Shunt-50A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

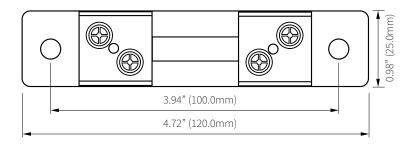
- Accuracy class: 0.5%
- 75mV voltage drop

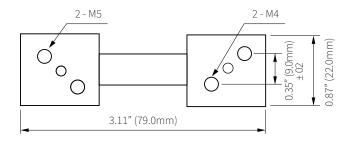
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Specifications

RATED CURRENT	50A					
Current Range	10-120% of rated current					
Accuracy	0.5%					
Voltage Drop	75mV					
MECHANICAL/ENVIRONMENTAL						
Form Factor	Inline installation					
Exterior Dimensions	120.0mm x 25.0mm x 22.0mm 4.72" x 0.98" x 0.87"					
Case Material	Manganin Alloy					
Operating Temperature	-40°C to 60°C / -40°F to 140°F					
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)					
Storage Temperature	-55°C to 80°C / -67°F to 176°F					
Operating Humidity	Non-condensing, 0 to 95% RH					
Installation Conditions	Indoor Use					
ELECTRICAL						
Frequency Range	DC					
SAFETY/COMPLIANCE						
Overload	120% of nominal current (2 hours)					
Certifications	RoHS					

Dimensions





Ordering Information

			Rated Inpu	t	Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		50A	1	75mV
			50A		75mV





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Shunt Series Shunt-100A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

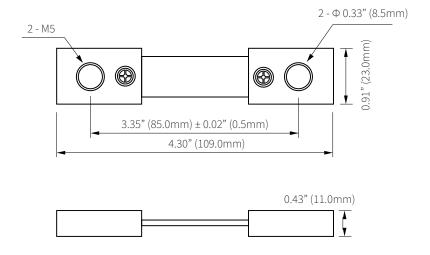
- Accuracy class: 0.5%
- 75mV voltage drop

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Specifications

RATED CURRENT	100A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	109.0mm x 23.0mm x 11.0mm 4.30" x 0.91" x 0.43"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 80°C / -67°F to 176°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Frequency Range	DC
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



RőHS



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			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		100A	1	75mV
			100A		75mV

Shunt Series Shunt-200A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

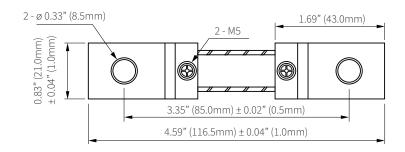
- Accuracy class: 0.5%
- 75mV voltage drop

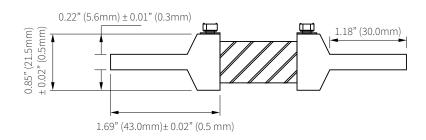


Specifications

RATED CURRENT	200A				
Current Range	10-120% of rated current				
Accuracy	0.5%				
Voltage Drop	75mV				
MECHANICAL/ENVIRONMENTAL					
Form Factor	Inline installation				
Exterior Dimensions	116.5mm x 21.0mm x 21.5mm 4.59" x 0.83" x 0.85"				
Case Material	Manganin Alloy				
Operating Temperature	-40°C to 60°C / -40°F to 140°F				
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)				
Storage Temperature	-55°C to 80°C / -67°F to 176°F				
Operating Humidity	Non-condensing, 0 to 95% RH				
Installation Conditions	Indoor Use				
ELECTRICAL					
Frequency Range	DC				
SAFETY/COMPLIANCE					
Overload	120% of nominal current (2 hours)				
Certifications	RoHS				

Dimensions





Ordering Information

			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		200A	1	75mV
			200A		75mV

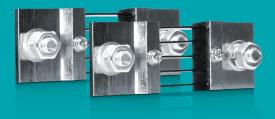




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Shunt Series Shunt-500A

DC Current Shunt Datasheet



Accuency DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

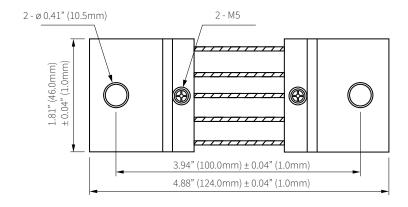
- Accuracy class: 0.5%
- 75mV voltage drop

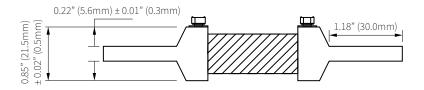


Specifications

RATED CURRENT	500A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	124.0mm x 46.0mm x 21.5mm 4.88" x 1.81" x 0.85"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 80°C / -67°F to 176°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Frequency Range	DC
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions





Ordering Information

			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		500A	1	75mV
			500A		75mV





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Shunt Series Shunt-1000A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

- Accuracy class: 0.5%
- 75mV voltage drop

RőHS



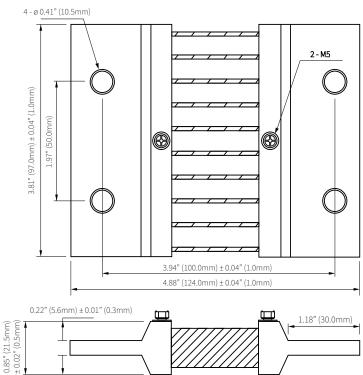
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Specifications

RATED CURRENT	1000A					
Current Range	10-120% of rated current					
Accuracy	0.5%					
Voltage Drop	75mV					
MECHANICAL/ENVIRONMENTAL						
Form Factor	Inline installation					
Exterior Dimensions	124.0mm x 97.0mm x 21.5mm 4.88" x 3.81" x 0.85"					
Case Material	Manganin Alloy					
Operating Temperature	-40°C to 60°C / -40°F to 140°F					
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)					
Storage Temperature	-55°C to 80°C / -67°F to 176°F					
Operating Humidity	Non-condensing, 0 to 95% RH					
Installation Conditions	Indoor Use					
ELECTRICAL						
Frequency Range	DC					
SAFETY/COMPLIANCE						
Overload	120% of nominal current (2 hours)					
Certifications	RoHS					

Dimensions



			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		1000A	1	75mV
			1000A		75mV

Shunt Series Shunt-2000A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

- Accuracy class: 0.5%
- 75mV voltage drop

RőHS



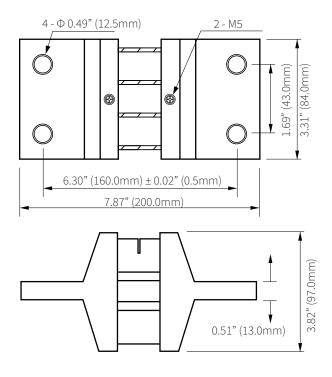
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ACCUENERGY

Specifications

RATED CURRENT	2000A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	200.0mm x 84.0mm x 97.0mm 7.87" x 3.31" x 3.82"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 80°C / -67°F to 176°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use
ELECTRICAL	
Frequency Range	DC
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

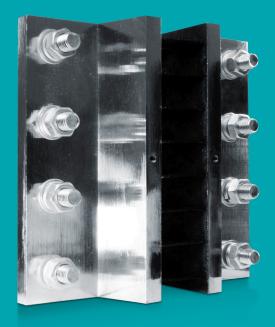
Dimensions



			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		2000A	1	75mV
			2000A		75mV

Shunt Series Shunt-4000A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

- Accuracy class: 0.5%
- 75mV voltage drop





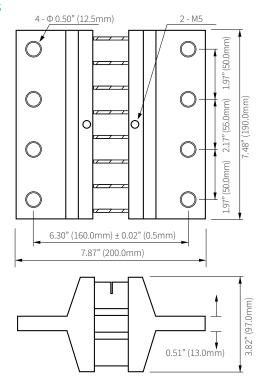
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Specifications

RATED CURRENT	4000A				
Current Range	10-120% of rated current				
Accuracy	0.5%				
Voltage Drop	75mV				
MECHANICAL/ENVIRONMENTAL					
Form Factor	Inline installation				
Exterior Dimensions	200.0mm x 190.0mm x 97.0mm 7.87" x 7.48" x 3.82"				
Case Material	Manganin Alloy				
Operating Temperature	-40°C to 60°C / -40°F to 140°F				
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)				
Storage Temperature	-55°C to 80°C / -67°F to 176°F				
Operating Humidity	Non-condensing, 0 to 95% RH				
Installation Conditions	Indoor Use				
ELECTRICAL					
Frequency Range	DC				
SAFETY/COMPLIANCE					
Overload	120% of nominal current (2 hours)				
Certifications	RoHS				

Dimensions



			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	Shunt		4000A	1	75mV
			4000A		75mV