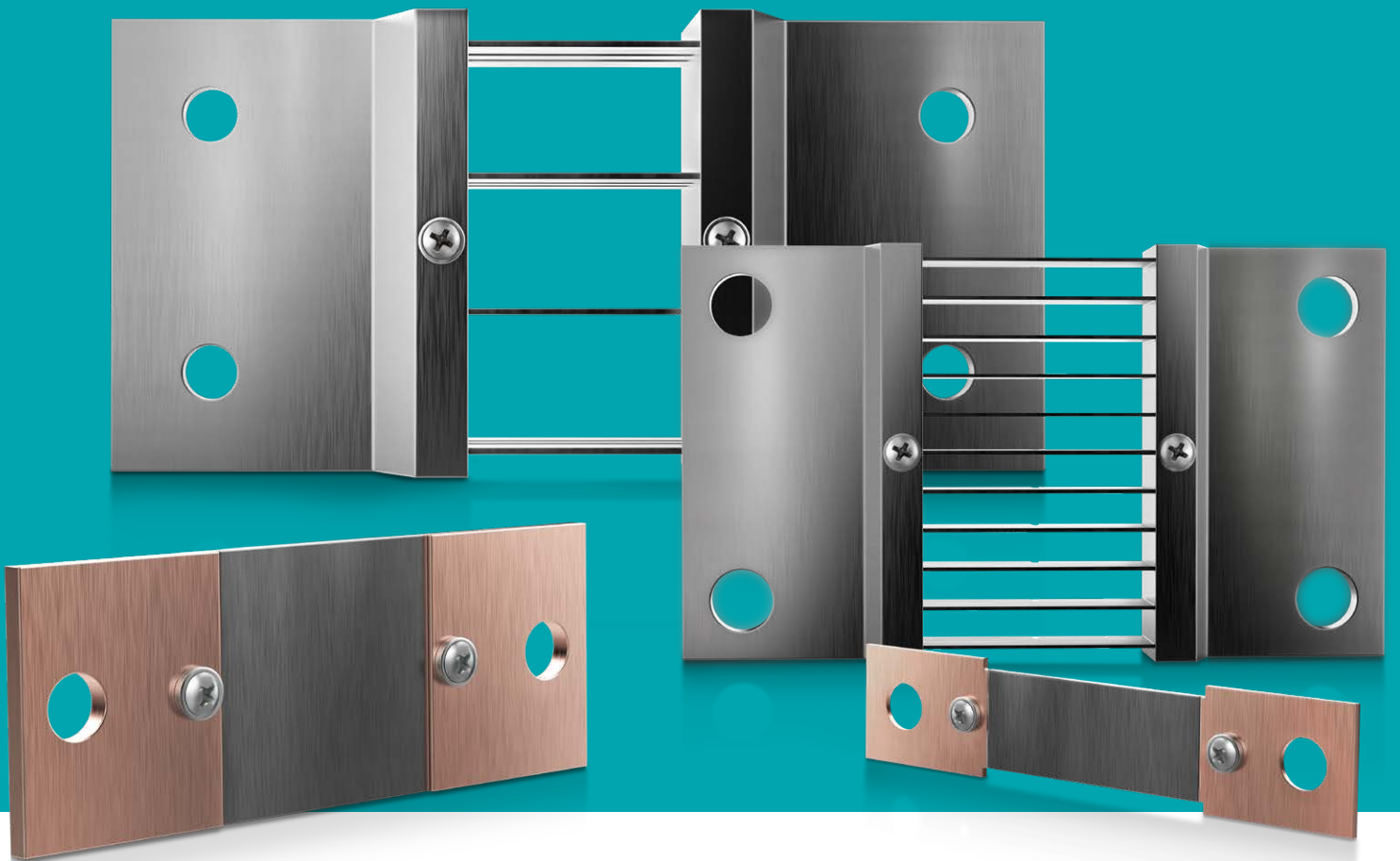


ACCUEERGY

Shunt Series

DC Current Shunt

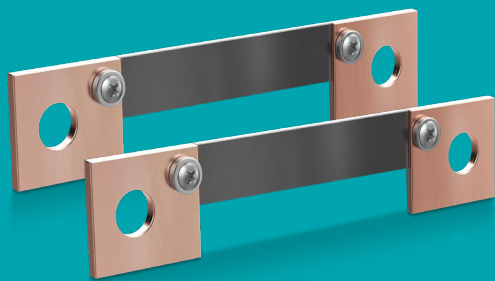


D A T A S H E E T

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: 0.1%
- 75mV voltage drop

ACCUEnergy

Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	104.0mm x 21.5mm x 2.0mm 4.09" x 0.85" x 0.08"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

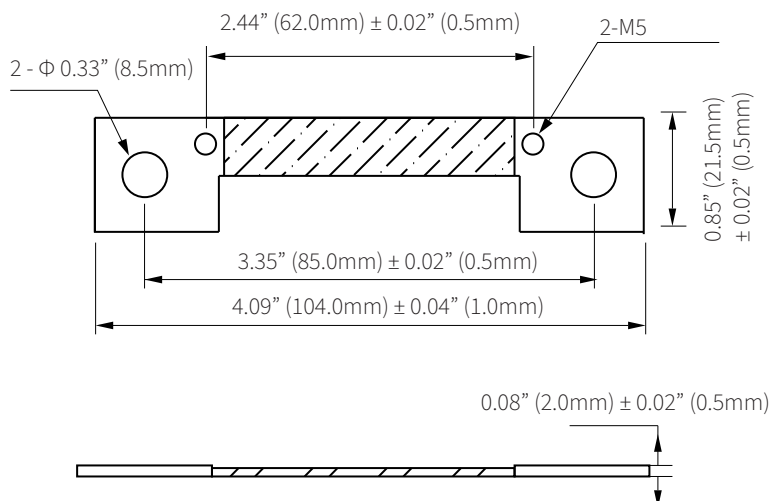
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



RoHS
COMPLIANT



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Revision Date: September 2024 Version: 1.0.0
Specs Subject To Change Without Notice.

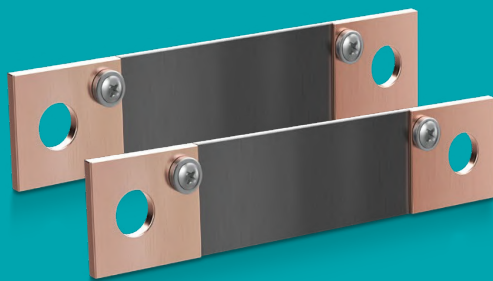
Ordering Information

		Rated Input		Voltage Drop	
Ordering Number	Shunt	-	/		
Ordering Example	Shunt	-	50A	/	75mV
			50A		75mV

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: 0.1%
- 75mV voltage drop



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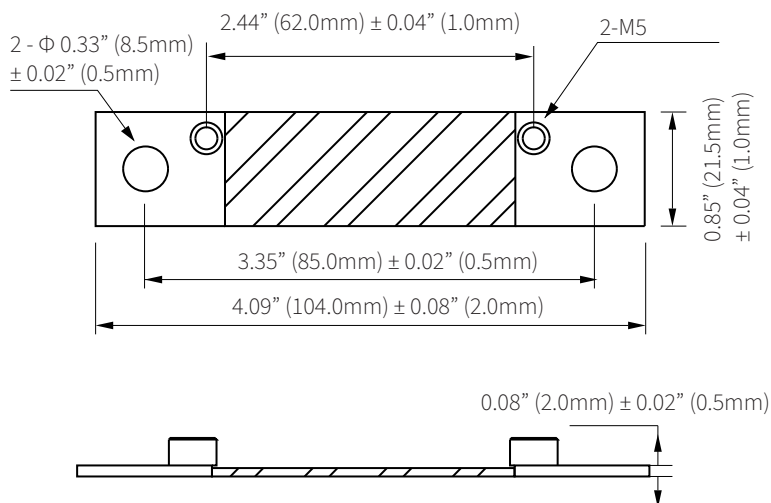
Revision Date: August 2024 Version: 1.0.3
Specs Subject To Change Without Notice.



Specifications

RATED CURRENT		100A
Current Range		10-120% of rated current
Accuracy		0.1%
Voltage Drop		75mV
MECHANICAL/ENVIRONMENTAL		
Form Factor		Inline installation
Exterior Dimensions		104.0mm x 21.5mm x 2.0mm 4.09" x 0.85" x 0.08"
Case Material		Manganin Alloy
Operating Temperature		-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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



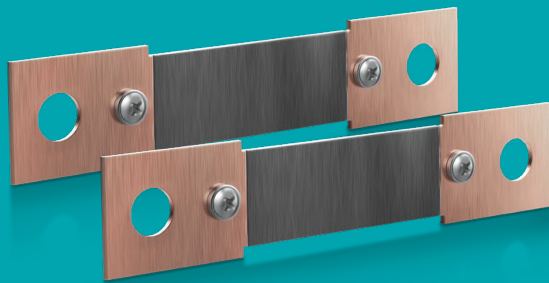
Ordering Information

		Rated Input		Voltage Drop	
Ordering Number	Shunt	-	/		
Ordering Example	Shunt	-	100A	/	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: 0.1%
- 75mV voltage drop



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Specifications

RATED CURRENT	200A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	104.0mm x 22.0mm x 3.0mm 4.09" x 0.87" x 0.12"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

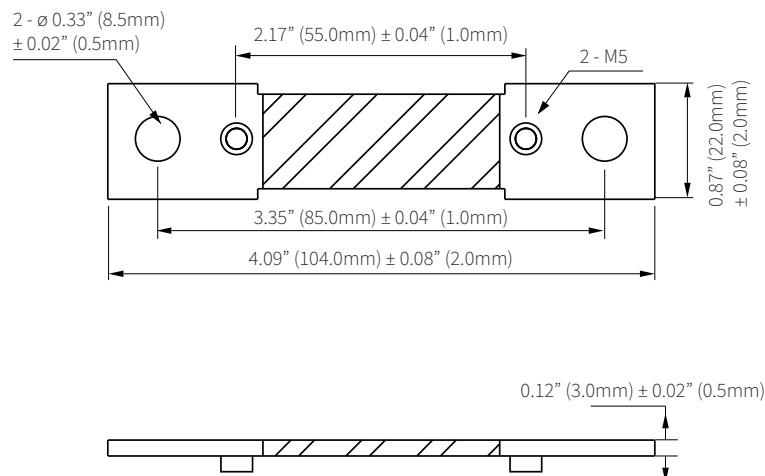
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



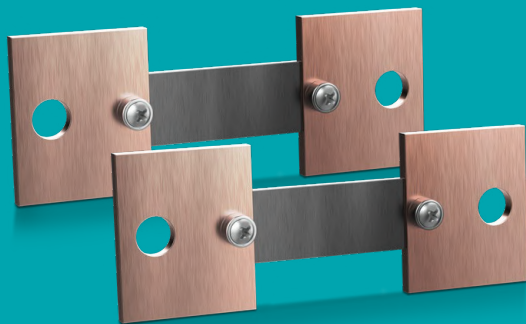
Ordering Information

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

Shunt Series

Shunt-300A

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

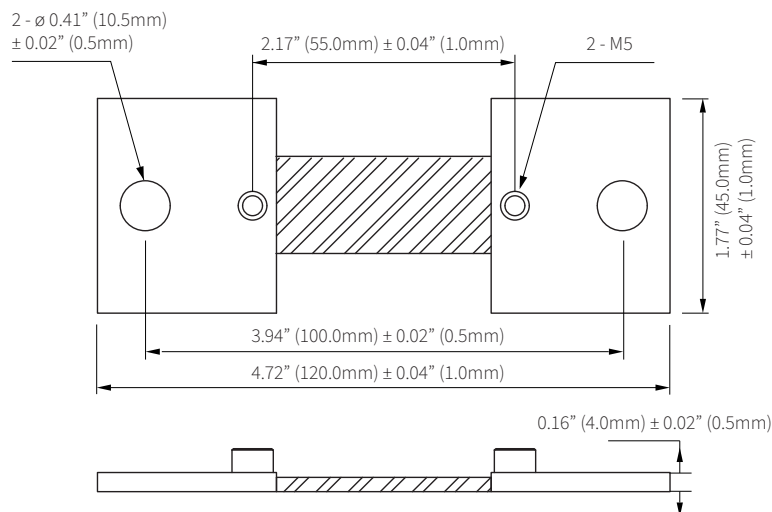
- Accuracy class: 0.1%
- 75mV voltage drop

ACCUEnergy

Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°F
Shunt Temperature with Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 85°C / -67°F to 185°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	-	300A	/	75mV
			300A		75mV

RoHS
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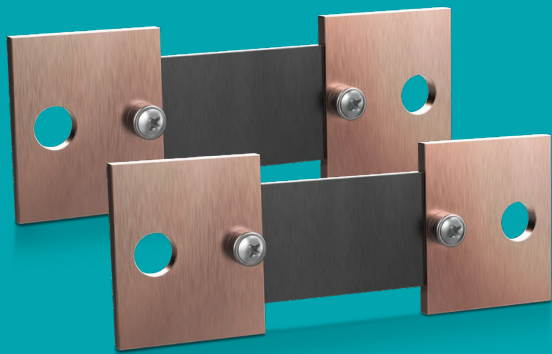
Revision Date: August 2024 Version: 1.0.0

Specs Subject To Change Without Notice.

Shunt Series

Shunt-400A

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: 0.1%
- 75mV voltage drop



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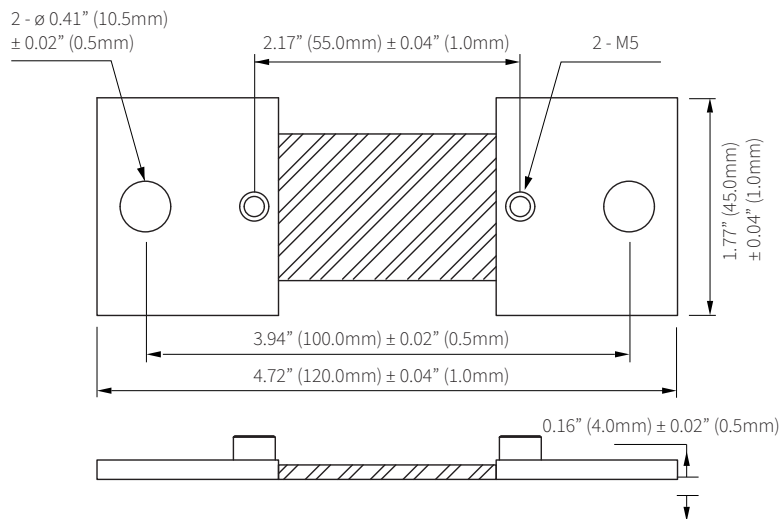
Revision Date: August 2024 Version: 1.0.0
Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	
Rated Current	400A
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°F
Shunt Temperature with Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 85°C / -67°F to 185°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



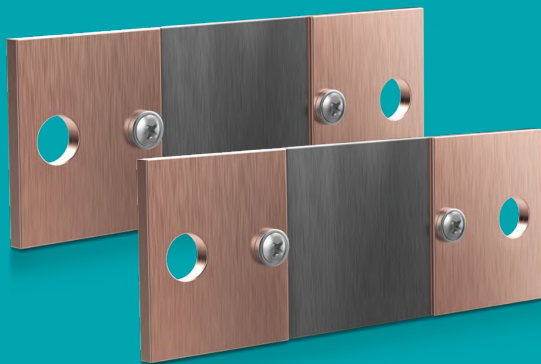
Ordering Information

		Rated Input		Voltage Drop	
Ordering Number	Shunt	-	/		
Ordering Example	Shunt	-	400A	/	75mV
			400A		75mV

Shunt Series

Shunt-500A

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: 0.1%
- 75mV voltage drop



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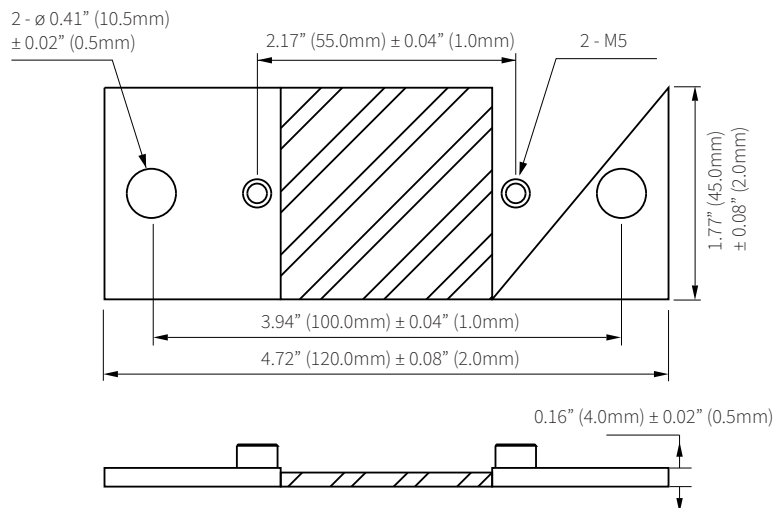
Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 45.0mm x 4.0mm 4.72" x 1.77" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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	/	75mV
			500A		75mV

Shunt Series

Shunt-600A

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: 0.1%
- 75mV voltage drop



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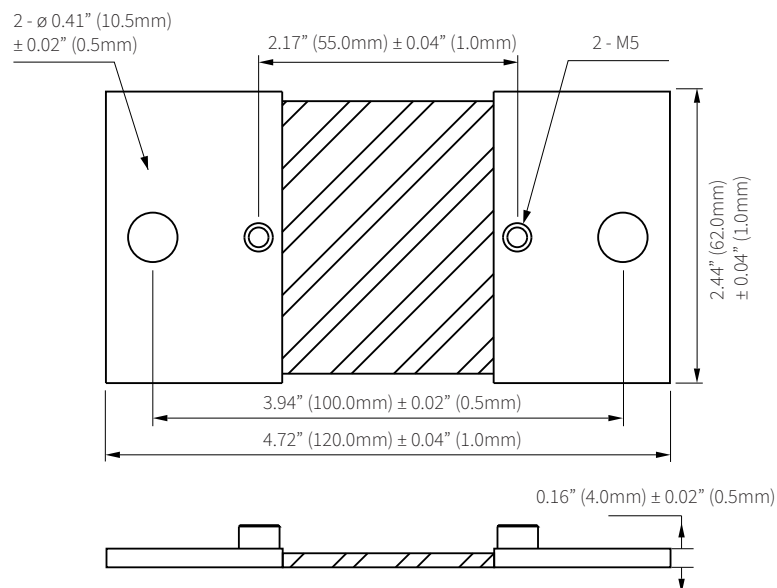
Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	
Current Range	10-120% of rated current
Accuracy	0.1%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	120.0mm x 62.0mm x 4.0mm 4.72" x 2.44" x 0.16"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°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	-	600A	/	75mV
			600A		75mV

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: 0.2%
- 75mV voltage drop



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Revision Date: March 2024 Version: 1.0.3

Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	1000A
Current Range	10-120% of rated current
Accuracy	0.2%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	125.0mm x 70.0mm x 21.0mm 4.92" x 2.76" x 0.83"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

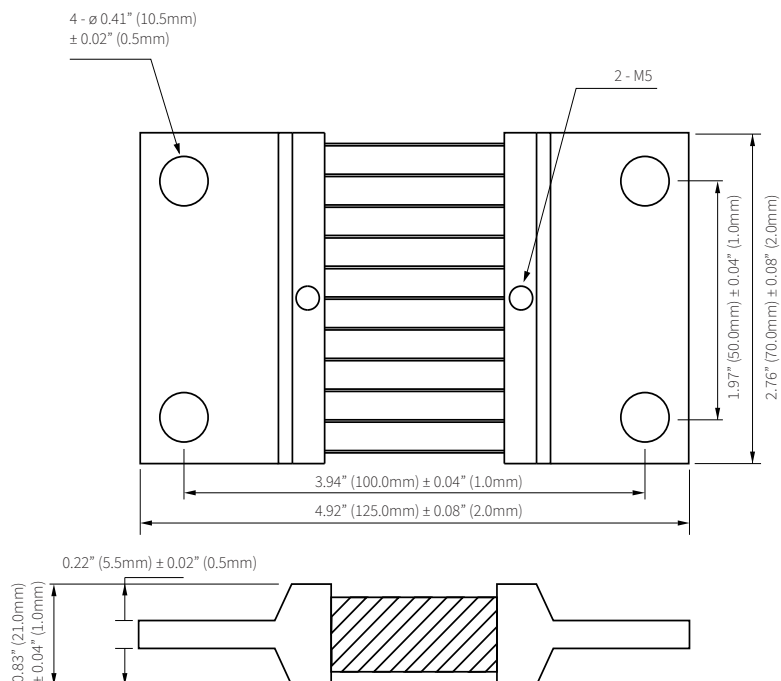
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



Ordering Information

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

Shunt Series

Shunt-1500A

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: 0.2%
- 75 mV Voltage Drop



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Specs Subject To Change Without Notice.



Specifications

RATED CURRENT	1500 A
Current Range	10 % - 120 % of Rated Current
Accuracy	0.2 %
Voltage Drop	75 mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline Installation
Exterior Dimensions	125.0 mm × 100.0 mm × 20.0 mm (4.92" × 3.94" × 0.79")
Case Material	Manganin Alloy
Operating Temperature	-40°C to 80°C / -40°F to 176°F
Shunt Temperature with Load Current	80°C (176°F) at < 80% of Rated Current 120°C (248°F) at ≥ 120% of Rated Current
Storage Temperature	-55°C to 85°C / -67°F to 185°F
Operating Humidity	Non-Condensing, 0% to 95% RH
Installation Conditions	Indoor Use

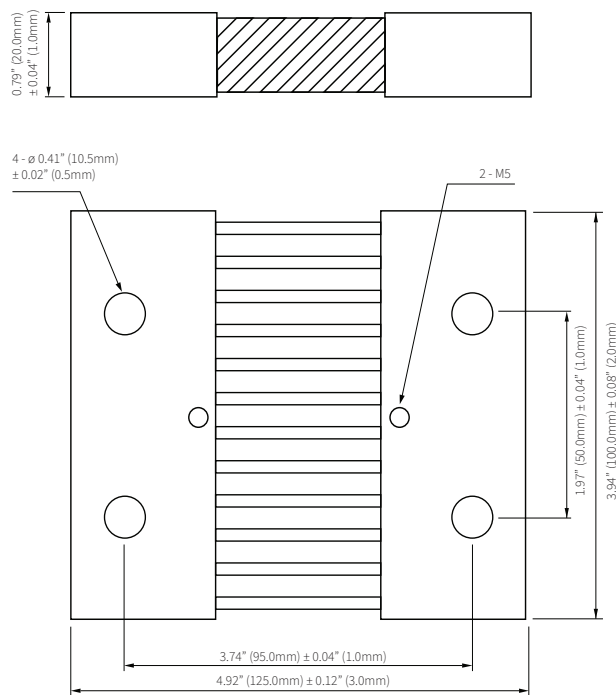
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of Nominal Current (2 hours)
Certifications	RoHS

Dimensions



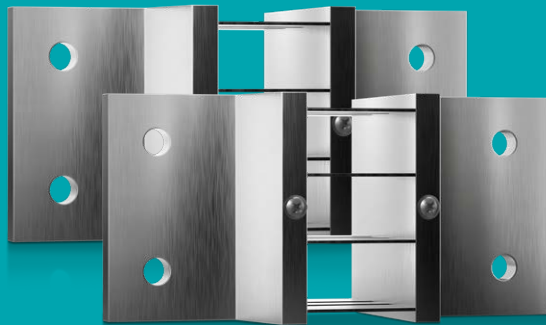
Ordering Information

	Model	-	Rated Input	/	Voltage Drop
	Shunt		1500A		75mV
Ordering Example	Shunt	-	1500A	/	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



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Revision Date: September 2024 Version: 1.0.4

Specs Subject To Change Without Notice.



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 80°C / -40°F to 176°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 85°C / -67°F to 185°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

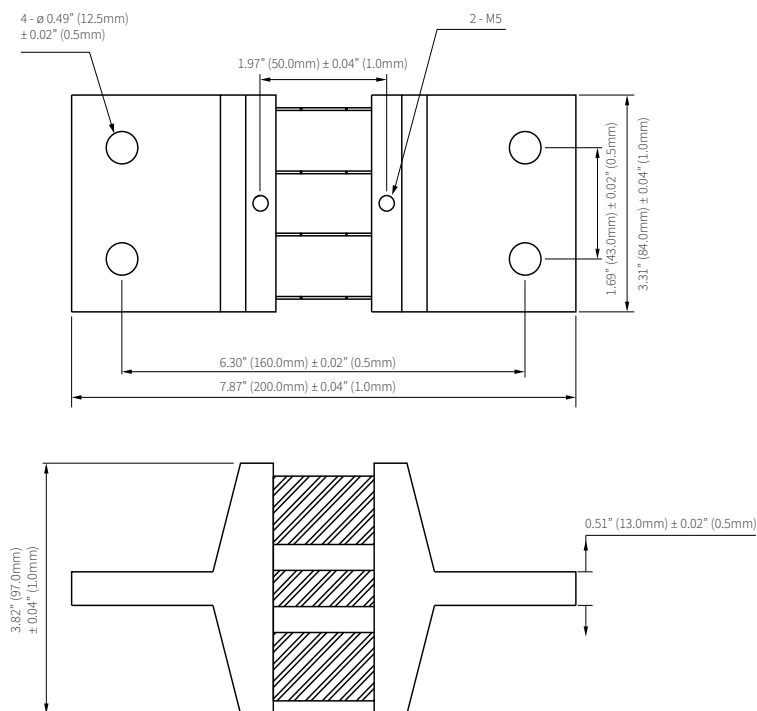
ELECTRICAL

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	-	2000A /	75mV
			2000A	75mV