

# 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

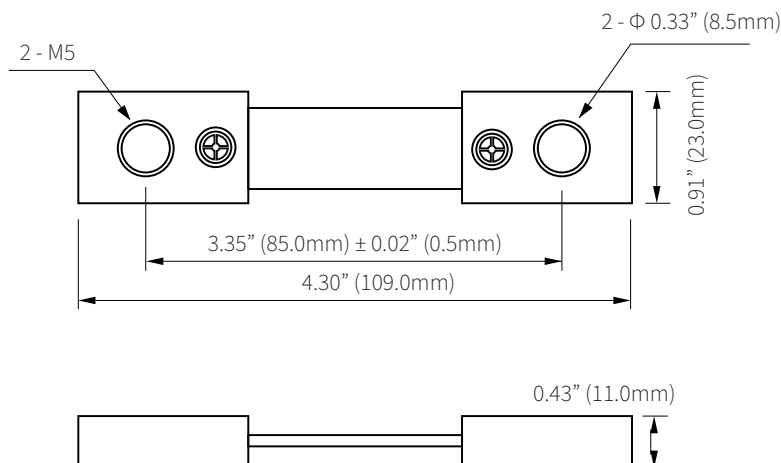
- Accuracy class: 0.5%
- 75mV voltage drop

**ACCUEENERGY**

### Specifications

| RATED CURRENT                     |   |
|-----------------------------------|---|
| 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<br>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),<br>>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



**RoHS**  
COMPLIANT



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### Ordering Information

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