

# Arga Battery Monitor Portable

Monitor Battery Voltage, Ground Faults and Alarm Outputs



## Features

- Adjustable alarm threshold set points
- High / low battery voltage alarms
- $\pm$  Ground fault detection with alarm
- AC charger power loss
- High accuracy  $\pm 0.2$  VDC
- Open cell alarm

## Remote Monitoring and Reporting

- Serial DNP3.0, Modbus, RS485: 2-wire standard, 4-wire optional
- 4 dry contact alarm outputs
- Analog current outputs (standard 4 to 20 mA)

The Arga Battery Monitor Portable from Electros witch is designed to be portable and self-contained for monitoring battery voltage, ground fault detection and alarm outputs in the field. A LED display identifies alarm conditions in addition to audible alarms. Easily calibrate and set alarm thresholds through the front panel menu.

Alarm functions: battery voltage, ground fault detection, AC power loss, ripple voltage, ripple current, high impedance and predictive corrosion detection.

Remote monitoring and reporting is ideal for multiple and distant locations. The Arga Battery Monitor Portable supports Serial DNP3.0, Modbus and RS485 communications.

## Additional Options

- Optional predictive corrosion detection alarm
- Optional handheld ground fault detector
  - Handheld unit with on / off and volume adjust switch
  - LED and audible indicators for detected ground faults



Handheld ground fault detector

## Other Arga Products



Panel Mount Battery Monitors



Single-function digital meters



Voltage, current and frequency transducers

## Specifications

Battery Input	50-180 VDC, 3VA (for 125 V battery) 100-360 VDC, 5VA (for 250 V battery) 36-72 VDC, 3VA (for 48 V battery)
Ground Resistors	30.83 K $\Omega$ $\pm$ 1% from each bus to ground (for 125 V battery) 60.50 K $\Omega$ $\pm$ 1% from each bus to ground (for 250 V battery) 15 K $\Omega$ $\pm$ 1% from each bus to ground (for 48 V battery)
Voltage Indication	0 to $\pm$ 199.9 VDC in 0.6" bright red LED digits and decimal point. Accuracy is $\pm 0.2$ VDC (125 VDC model).
Alarms	Alarm relays are Form C contacts Relay 1: + ground fault Relay 2: - ground fault Relay 3: high battery voltage Relay 4: low battery voltage, open battery, loss of AC to charger
Standard Outputs	Digital: DNP3.0, Modbus Analog: 4~20 mA
Contact Rating	2A at 120 VAC or 28 VDC, 25 mA at 150 VDC
Voltages	24 VDC, 48 VDC, 125 VDC, 250 VDC
Standard Part Numbers	50-1000-125A for 125 VDC installations 50-1000-250A for 250 VDC installations 50-1000-48A for 48 VDC installations