

331BMI Series Battery Monitor Inductive

100 / 200 amp monitor

Engine cranking amps capable

**Charging and load current sensing
to and from battery**

Voltage output sensing from battery



Description:

The E-Plex 331BMI battery monitor is an inductive monitor that senses both current and voltage output.

The battery monitor is bi-polar in that the E-Plex network reveals if the battery is charging or discharging. Put the positive battery cable through the center of E-Plex battery monitor and secure it to the cable. Orient the E-Plex 1/4 terminals away from the battery post for proper current direction indication by the E-Plex system.

The battery monitor is available in two configurations, the 331BMI-01 has a single reference voltage wire for applications that have the battery negative terminal in common with the E-Plex return. The 331BMI-02 is an isolated version with 2 reference wires for applications that have multiple batteries where the battery monitored cannot be tied back to the E-Plex return. The wire is required to determine the differential. Calibration is provided through the E-Logic Software.

Design Specifications:

Operating Temperature: -40°C to 60°C

Storage Temperature: -40°C to 85°C

Operating Humidity: 0% to 100% (condensing)

Shock: 11 milliseconds half-sine pulse, IEC 68-2-27

Vibration: Tested to Lloyds Register approval vibration test 2

Moisture Resistance: IP67

Hazardous Environment Class: UL 1500

PCB Characteristics: UL 94V-0

Agency Certifications: All components have been selected to meet UL, CSA, CE certification

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