Data Logging Display Module

The CAN Data Logger and Display module for the Orion BMS / Orion Jr. BMS (CAN version only) provides visual feedback of the essential in formation on a battery pack as well as data logging capabilities for diagnostics. This display and logging combo connects to an Orion BMS unit via CAN (Controller Area Network) and logs user-selected data to a memory card while displaying State of Charge, Power Limited (reduced output power), and the Malfunction Indicator Status (error indicator).
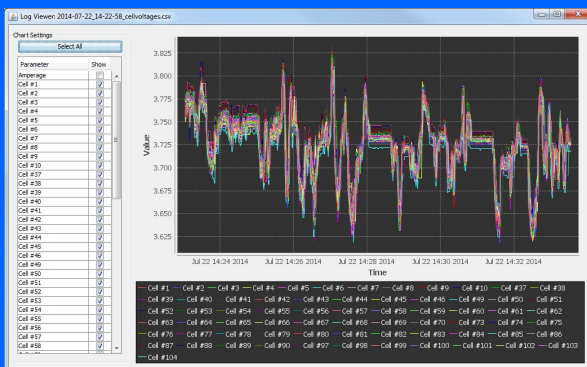
Product Specifications

- Operates with the Orion BMS and Orion Jr. BMS (CAN version only) from Ewert Energy Systems (BMS sold separately)
- Full automotive operating temperature range (-40C to 80C)
- Logs to memory card at user selectable sampling rate
- Able to log individual cell voltages in addition to overall BMS parameters
- Compact size and shape
- Connects to the Orion BMS via CAN (no analog connections)
- External "event trigger" input which can flag events for future review
- Log graphing and analysis software
- Real time clock to store data and time of each charge / discharge cycle
- Supports CAN frequencies of 125, 250, 500Kbps, and 1 Mbps
- User customizable logging frequency from 100mS to 10 seconds
- Compatible with micro SD memory cards up to 32GB

Physical Specifications

- Dimensions: 2.7 in (6.9 cm) W x 1.9 in (5.0 cm) L x 0.78 in (2.0 cm) H
- Product weight: 1.7 oz
- Connector: Molex part number 0050579406
- Supply voltage: 10-16 Vdc
- Supply current: 65 mA at 12 Vdc (with all LEDs on)

The Data Logging Display Module is a product of Ewert Energy Systems, Inc.

Ewert Energy Systems is a research and development company focused on developing solutions for plug-in hybrid and electric vehicles and other energy storage applications.

Screen shots of the data logging display module utility