BDL-Series | Battery Data Logger

Battery Data Logging Kits for Cell Voltage, String Voltage, Current, & Ambient Temperature

Eagle Eye's Battery Data Logger (BDL) is designed for battery data logging of cell voltage, string voltage, string current and ambient temperature. The innovative design allows the BDL to be used with Eagle Eye's DC Load Bank Series or individually as a standalone tester to reflect battery status. The Eagle Eye BDL-Series is customizable to work with your battery system, and comes with comprehensive monitoring software to monitor the state of health of each battery in real-time.

Features:

- Simultaneously monitor cell voltage, string voltage, string current & ambient temperature
- Lightweight modular (DAC) design for easy installation and operation
- Magnetic contact points for mounting to battery or rack
- Tests 1.2V, 2V, 6V & 12V Batteries
- Directly powered by battery, no need for extra power supply
- One DAC connects to multiple batteries – saving time & money
- Wireless communication between battery string & PC Software
- User-friendly Eagle Eye BDL Wireless Monitor software included for data management
- Monitoring interval is programmed by user for real-time monitoring results and report generation

Complete BDL-48/125-9 DAC Kit

BDL-Specifications

	Testing Range	Accuracy
Cell Voltage	0-16V	±0.5%
String Voltage	0-450V	±0.5%
Current Testing	0-1000A	±1%
Temp. Measurement	-25 to 55°C	±1°C
Power Supply	Cell DAC	DC12V±15%
	String DAC	DC12V±15% Supplied by Battery
	Wireless Communication Modular	DC5V±5% Supplied by PC via USB
Monitoring Software	Wireless Monitor with data management function	
Communication Mode	FSK	
Communication Distance	100m (not blocked)	
Communication Frequency	433Mhz	
Weight	.33lbs per DAC (0.15kg)	
Size (of DAC)	4.75 x 4.5 x 1.6 in (1232 x 113 x 40mm)	
Warning for	Communication disconnect, over voltage and low voltage	
Working Environment	Temperature: 32 to 131°F (0 to 55°C) Relative Humidity: ≤85%RH	
Data Sampling Interval	0.1 second/point	
Safety Standard	CE marking	

To Order Call 1-877-805-3377 Toll Free

Kit Includes:
- Cell DAC's (based on system)
- 1 String DAC
- (for monitoring string voltage, string current, and ambient temperature)
- 1 Communication Terminal
- 1 RS232-USB Converter
- Eagle Eye BDL DataView Software
- BDL-Series Manual
- Portable Carrying Case

ORDERING INFORMATION

No.	Part #	Description
1	BDL-48-2 DAC	For 48V Battery System, Battery Type of 2V, 6V and 12V
2	BDL-125-5 DAC	For 125V Battery System, Battery Type of 2V, 6V and 12V
3	BDL-125-8 DAC	For 125V Battery System, Battery Type of 1.2V, 2V, 6V and 12V
4	BDL-240-10 DAC	For 240V Battery System, Battery Type of 2V, 6V and 12V
5	BDL-240-16 DAC	For 240V Battery System, Battery Type of 1.2V, 2V, 6V and 12V
6	BDL-380-16 DAC	For 380V Battery System, Battery Type of 2V, 6V, and 12V
7	BDL-380/12V-3 DAC	For 380V Battery System, Battery Type of 12V

Standard Models Listed: Custom models to match your battery system available upon request