



CAN data logger for automotive, industrial, marine and automated guided vehicle applications

INTRODUCTION

The LiBAL CAN Data Logger™ by Lithium Balance A/S enables data logging on up to two CAN bus interfaces. The CAN bus interfaces are galvanically isolated for maximum integration flexibility. The IP67 enclosure, two easily accessible mounting points and flexible automotive graded connector options enables fast adaptation and integration.

The LiBAL CAN Data Logger™ has industrial grade SD cards and contains a real time clock for enhanced diagnostic capabilities.

The data stored on LiBAL CAN Data Logger™ can be extracted via CAN bus interface.

The LiBAL CAN Data Logger™ can be fully configured using the dedicated Lithium Balance PC tool. The product is fully compatible with all Lithium Balance battery management system products.

The product is a multipurpose logger which can log any CAN communication enabled device/controller.

CUSTOMER BENEFITS

The LiBAL CAN Data Logger™ enables:

Warranty management

Data acquisition for diagnostics

Fleet management

Duty cycle optimization

Affordable

Robust and compact design

FUNCTIONALITY

Data logging

2 CAN buses

Real time clock

SD memory card

Easy to use configuration tool

Applications



Industrial EV's



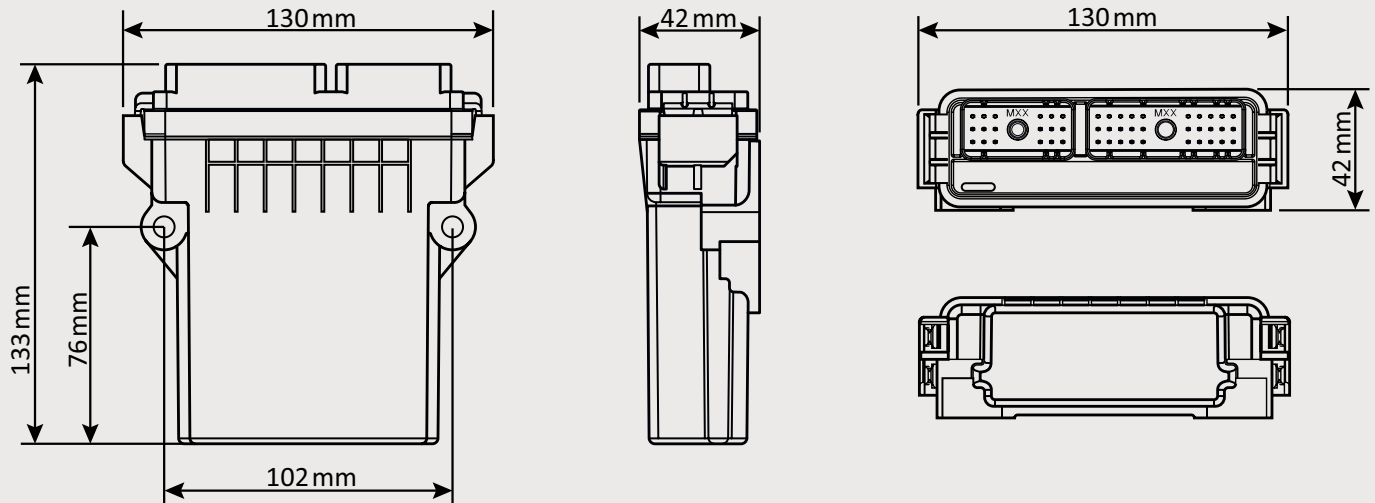
Automotive



Two Wheelers



Material handling



LiBAL CAN Data Logger™

PARAMETERS

Mechanical

- Dimensions
- IP rating
- Operating Temperatures
- Weight
- Installation

SPECIFICATIONS

- 103.5 mm X 101.6 mm X 42.3 mm
- IP67
- 40 Deg C to + 85 Deg C
- 300 g
- 2 X M6 Bolts

Electrical

- Supply
- Consumption

- 6VDC to 16VDC (12V optimal)
- 80 – 100 mA @ 12VDC

Hardware

- Controller
- Controller Speed
- CAN 1
- CAN 2
- RTC
- Data Logging

- Automotive grade ASIL D
- 80 MHz
- CAN2.0 A/B - Galvanic Isolation - 125Kbps to 1Mbps
- CAN2.0 A/B - Galvanic Isolation - 125Kbps to 1Mbps
- Yes
- SD card, high-end industrial grade; Suitable for automotive use

PC Software

- Interface - USB Dongle
- OS : Windows Vista , 7 , 8
- Log Configuration
- Via CAN BUS

EMC Immunity

Temperature Specifications

Vibration Tolerance

Certifications

- Tested as per EN61000-4-3 (80MHz–3000MHz) at 200 V/m, EN61000-4-4 (4kV)
- Operational -40° to 85°C
- Tested as per EN60068-2-6 random vibration (10 – 1000Hz)
- CE marking

