

# ELB-110

## Engine Log Book

### Description

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ELB-110 module is an expansion of the engine control unit and it is aimed to store significant parameters of the specific engine life, which is fixed to. It can be used for both car and motorbike racing applications.

The module, sealed or mechanically fixed on the engine, is able to send on CAN line the engine identification number and some specific information.

Its record capability can help the engine manufacturer control and analysis.

### Main Features

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- 4 Kbyte of EEPROM
- 1 CAN line

### Benefits

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- Easy data storing and reading
- CAN line encryption for proper connection between engine and ECU and protect the recorder data integrity
- High vibration and temperature resistance
- Impossible to open

### Typical Applications

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All race cars



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### Technical Characteristics

#### Inputs

NTC internal temperature sensor .....	1
“Code Load” enable pin .....	1

#### Communications

CAN line (1 Mbit/s (*)) .....	1
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#### Other Characteristics

Power supply .....	8 to 16 V
Operating internal temperature .....	- 20 to 120 °C
Protection class .....	IP 64

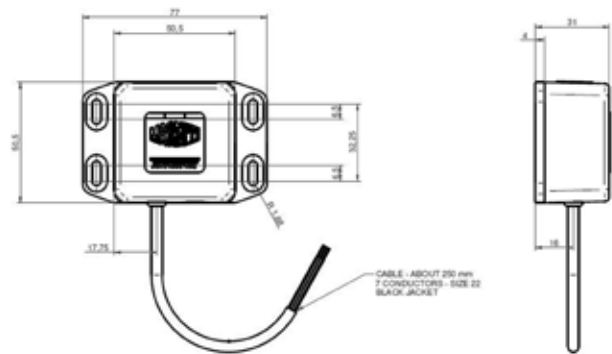
#### Dimensions

without connector and cable .....	50.5 x 77 x 31 mm
Weight (approx.) .....	145 g

### Cable Pin Out

Wire Color	Signal	Description
Red	VBATT_P	Battery Positive Terminal
Black	VBATT_N	Battery Negative Terminal
Yellow	CAN_L	Can Line - Low
Green	CAN_H	Can Line - High
White	ENCP	Enable Code Programming input
Brown	TERM_1	120Ω Can Termination Input 1
Orange	TERM_2	120Ω Can Termination Input 2

### Dimensions



Dimensions in millimetres