



CAN-Bus data logger Box 2.0

M23133: One CAN interface with D-Sub connector

C23133: incl. WiFi for wireless data access

This data logger records CAN data on a SD-Card. Via interface or using a PC with SD card slot recorded data can be read. This logger can actively ask for data by its script which is a little program. It as well can 'sniff' in reading the information that is passing a line.

General features

- One CAN interface
- Slot for SD cards (up to 16 GByte)
- Real-time clock with buffered power
- Programming logic for individual functions

Scripting

The logger is using small programs to control the process which can be easily adapted to the individual needs. This program – called ‚script‘ – is written in a modified language based on Basic (see Avisaro Webpage www.avisaro.com/tl/docu-home.html for guidance). Samples of standardized script functions are as follows:

- Recording of data
- Endless recording in a loop
- Time stamp adding to the data
- Sniffing one way

Avisaro delivers this logger in a ready-to-use status loaded with the basic script MC%: recording from CAN interface to SD card with timestamp.

WLAN specification

WLAN 802.11 b/g
WPA, WPA2, WEP
Range-outdoor: max. 250 m
Range-indoor: 30-50 m

Command interface

Alternatively commands can be sent via the D-Sub connector if the connected data source needs to rule the logger itself. Using this command interface data can, for example, be written or deleted and new files can be created.

Mechanical data:

Dimensions: 51 x 72 x 24 mm, Weight: 70 g
Max. Temperature: -30°C - 85°C (if the used SD card does not make any further constraints)
Protection class of the box: none

Interface: CAN

One CAN interface
Baud rate: up to 1 Mbit/s
max. average writing speed to the card 300 kbit/s
Message format 2.0A and 2.0B
"Listen Only" mode
Load resistance switchable

Connector: D-Sub

Standard 9 pin D-Sub plug (male). Common pin layout. Power supply via D-Sub or separate barrel connector.

- 1) not connected (optional: VCC)
- 2) CAN-L (Dominant Low)
- 3) GND
- 4) not connected
- 5) not connected
- 6) GND
- 7) CAN-H (Dominant High) / Single Wire CAN
- 8) not connected
- 9) VCC



The barrel connector:

Diameter of the connector is 2.1mm.
Inside pin: Supply Voltage
Outside: Ground



Power supply

Supply voltage: 6V-32V, consumption: ~ 0.5 W, reverse protection, Power Save option, Buffer length for real-time clock: appr. 1 month (charging time: appr. 48h).

For further information and updates see also the webpage of Avisaro AG: www.avisaro.com. The product is for professional use only. Read product manual carefully.

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