Avisaro Data Logger Cube 2.0

M23766: with CAN interface

This data logger records CAN data on a SD-Card. The recorded files can be read via interface or using a PC with SD card slot. This logger is able to actively ask for data 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 MC5: recording from CAN interface to SD card with timestamp

Command interface

Alternatively commands can be sent via interface 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 created.

Mechanical data:

Dimensions: 98 x 64 x 34 mm, Weight: 158 g
Max. Temperature: -30°C - 85°C (if the used SD card does not make any further constraints)
Protection class of the box: IP66 (dust/weather)
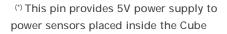Card slot is underneath the cover fixed by screws.

Interface: CAN

One CAN interface
Baud rate: up to 1 Mbit/s
Massage format 2.0A and 2.0B
"Listen Only" mode
Load resistance switchable
The configuration of the interface can be changed accordingly.

Connector: screw terminal

A weather and dust resistant cable feeder lead to a screw terminal layouted as follows:

1. Signal Ground (GND)
2. Internal use (*)
3. not connected
4. CAN-L (Low)
5. CAN-H (High)
6. not connected
7. Supply Voltage (6-32V)
8. Supply Ground (GND)

(*) This pin provides 5V power supply to power sensors placed inside the Cube

DIP Switches

1. CAN Terminating Resistor
2. not connected
3. not connected

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.