

Avisaro Logger Cube 2.0

M22766: with RS485 interface

This data logger records RS485 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 RS485 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 MR5-1: recording from RS485 interface to SD card.

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: RS485/422

One RS485 interface
Baud rate: 1200 bit/s to 1 Mbit/s
7/8 data bits



Connector: screw terminal

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

The RS485 interface with the screw type connector has the following pin assignment:

1. Signal Ground (GND)
2. Internal use
3. n.c.
4. RS485 Signal B (-)
5. RS485 Signal A (+)
6. n.c.
7. Supply Voltage (6-32V)
8. Supply Ground (GND)



Command Interface

In alternative to the scripting, commands can be sent via interface if the connected data source needs to rule the logger itself.

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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