



Avisaro Data Logger Box 2.0

M22833: with two RS485/422 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

- Two RS485 interface – alternating one RS422
- 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

Avisaro delivers this logger in a ready-to-use status loaded with the basic script MR51: recording from RS485 interface to SD card.

Command interface

Alternatively commands can be sent via the WAGO 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: RS485/422

Two RS485 interface or alternating one RS422
Baud rate: 1200 bit/s to 1 Mbit/s
7/8 data bits

Connector: two WAGO ports

The box comes with two WAGO connector, the pin layout is as follows:

- 1.) n.c.
- 2.) n.c.
- 3.) Signal B (+)
- 4.) Signal A (-)
- 5.) Supply voltage (6 – 32 V)
- 6.) Supply and Signal Ground (GND)



Information for RS422:

Port 1: TxD Port (Data out)
Port 2: RxD Port (Data in)



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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