

Component Solutions: Data Logger ADL-MXS micro

The ADL-MXS micro is a highly efficient universal solar data logger which is optimized for monitoring and data collection of residential to commercial photovoltaic systems. It is equipped with two communication interfaces and protocols to enable full compatible communication with inverters from different manufacturers simultaneously. The built-in webserver makes it easy to evaluate data on site and remotely. All kinds of configuration can be done remotely including alarms and warning push messages. Alternatively, this data logger is capable to transfer the plant data to all common third-party monitoring software via FTP Push.

Interfaces

- 1x RS485- Interface (300 – 115200 baud)
- 4x digital In-/Output (State- or 32bit-counter input, Output)
- 1x Ethernet (10/100MBit)
- 1x USB- Host (High-Speed USB 2.0)
- 1x USB- Device (High-Speed USB 2.0)
- Integrated Wi-Fi module (802.11 b/g/n) (optional)
- Extensions: CAN-Bus- Module, Analog-Input-Module

Protocols

- Danfoss, KACO, Sungrow, SunSpec, ...
- further protocols on request



Specifications

Display:	5x LED
Memory (optional):	internal memory card microSD (standard 1GB)
Measure- / Storage interval:	1 second - 24 hours
Supply voltage:	10 - 36VDC
Power consumption:	1,80W max. (12V, 150mA typ.)
Digital Inputs / Outputs:	
- Inputs:	max. 30VDC, 1[High]:>4VDC, 0[Low]: <1.6VDC, max. frequency 2kHz
- Outputs:	max. 30VDC, max. 100mA, Open-Drain (high side, +VCC)
Operating temperature range:	-20 to +70°C
Operating humidity range:	0 to 70 % rH (not-condensing)
Housing material:	plastics, DIN EN-rail mounting
Protection class:	IP 20 according to DIN 40 050-9/5.93
Weight:	250 g (without antenna)
Dimensions (L/W/H):	71 x 90 x 60 mm