

# ADL-MXSmini - Solar Data Logger

Multifunctional datalogger system



Manufacturer-independent

Ripple control receiver (FRE)

flexible configuration

FTP-Transfer

String-Monitoring

Solar systems monitoring

Alerting

Via three **RS485 interfaces** measured values from Inverters, meters, network analyzers and transducers be captured and stored. Furthermore, the datalogger has an **Ethernet interface** for the

Configuration via the integrated **web server**.

For easy configuration and display of the current measured values an **graphical LC-display** and four **capacitive buttons** are used.

Optionally, the datalogger can have an integrated **GPRS modem**.

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Multifunctional datalogger system

GPRS

Ethernet

Digital inputs

Counting inputs



E-Mail / SMS

Modbus TCP

CSV

Webserver

FTP-  
Server / Client

RS485

Ethernet

Collect and output data

Inverter

Irradiation  
sensors

Transducers

Modbus- RTU  
sensors

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Multifunctional datalogger system



## Advantages and functions

- Free choice of the provider for the web portal
- Support a variety of inverter manufacturers
- Online display of measured values on the device via a GLC display
- Graphical data visualization via web frontend
- Easy operation via capacitive buttons
- Easy configuration via web-frontend (no additional software required)
- Data output in CSV format
- Optional internal GPRS module
- Data transfer via FTP
- Alerting via SMS and e-mail

## Interfaces

- 2x RS485 external and 1x RS485 via backplane bus
- 1x counter input S0 ( Open Collector)
- 1x Ethernet interface 10/100MBit
- 6x Digital inputs (TTL-Level)
- 1x voltage output for external sensors (max. 6W)
- 1x CAN-Bus (optional, via extension module)
- 1x GSM (optional)

## Technical specifications:

- Display: GLC-Display 128 x 32 Pixel
- Operating voltage: 10 - 36VDC approx. 3.0W standard power supply 24V 1A
- Operating temperature range: - 20 bis 70 °C
- Operating humidity range: 0 to 70% RH (non-condensing)
- Housing material: plastic
- Degree of protection: IP 20 according to DIN 40 050-9 / 5.93
- Weight: 300 g
- Dimensions (L / W / H): 107 x 90 x 60 mm

## Protocols

- Supported manufacturers can be found on our website  
<https://www.meier-nt.de/protokolle>