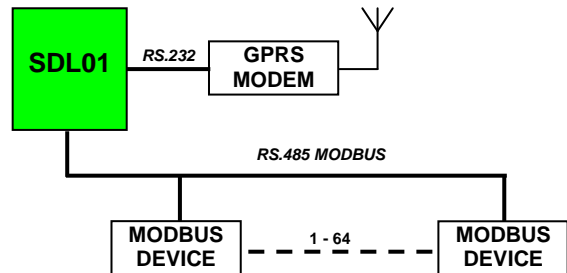


SDL01

Serial Data Logger

- **SDL01 acquires data from MODBUS standard devices on RS.485 port**
- **Easily adaptable to any MODBUS device**
- **Data storage on internal flash**
- **Configurable data acquisition and download**
- **Serial port for direct data download or connection to other devices (modem)**
- **Internal RTC with backup battery**
- **Wide input power supply**



Description

The serial data logger SDL01 allows the acquisition of MODBUS RTU data from any device complying to this standard. The complete configuration of the MODBUS serial port allows connection of multiple devices, as well as the acquisition of only the desired MODBUS parameters. This configuration is set up during the installation, using its configurator.

Data are saved in the internal soldered flash memory, with the relative time stamp.

Acquired data can be downloaded on a PC through a serial link, sent on ethernet network with a standard serial/ethernet converter, or sent to a remote server with GPRS modem. In this way data can be sent with the FTP protocol.

The data logger is completely configurable, either on the MODBUS side, or for the downloading mode of acquired data, and this makes SDL01 suitable for any type of installation.

Connection to MODBUS RTU network

- RS.485 on terminal block.
- Serial speed: from 1200 to 38400 bps.
- Connection to max. 64 MODBUS Slave.
- User-definable addresses and size parameters to capture.
- Acquisition frequency: from 1 per minute to 1 per month.

Serial port connection for data download

- RS.232 on DB9 male connector.
- Manual or automatic data download with configurable timer, either with a PC direct connection or with a GPRS modem.

Memory

- 8MB soldered flash with programmable FIFO.

Applications

- Programmed data acquisition from any MODBUS device (chemical/physical parameter measurement, energy meters, consumption measurements, etc.).
- MODBUS data acquisition from photovoltaic plants, and data transmission to FTP server with a GPRS modem.

Technical data

- Power supply: 9-30 Vdc 3 W.
- LED: power, run.
- Operating temperature: -20°C ÷ +60 °C.
- Humidity: 5 ÷ 90 % (not condensing).
- Dimension: 106x33x152 (LxHxW).
- Aluminum case.
- Custom software.

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