

## DD-Logger

- ❑ Universal data logger for RS232 connection to data source
- ❑ Recording of ASCII data without using a specific communication protocol
- ❑ PC tool to initialize the PC Card and to transfer the recorded data to a PC under Windows
- ❑ ATA Flash PC cards as removable and flexible storage media
- ❑ Easy handling and installation
- ❑ Robust, compact and cost-saving
- ❑ Temperature range  $-40^{\circ}\text{C}$  bis  $+85^{\circ}\text{C}$



### Fields of Application

Memory cards are used as universal, flexible and reliable media to exchange data between devices and PCs.

DD-Logger is an intelligent and universal data-logger for the serial interface which uses ATA Flash PC Cards from 16MB to 2GB as storage media. The device can be used wherever a data source can send ASCII data, e.g. to a protocol printer:

- **Machines and controls (PLC)**
- **Industrial vehicles with data acquisition**
- **Measurement devices**

### Flexible Use

This data logger does not depend on a specific communication protocol. The retrieved data are stored without being changed and can be processed later on a PC.

The PC Card can be removed for data transfer or new initialization. The data can be stored either in a circular or in a linear memory mode..

In circular mode, the oldest data are overwritten when the end of memory is reached. In linear mode, the recording stops when the memory is exhausted..

### High Data Security

Special care has been taken to achieve a high level of data security by use of a checksum mechanism.

After an interruption, e.g. caused by a power fail interrupt or PC Card change, the data recording automatically restarts.

### DD-Logger Manager

The configuration of a recording and the readout of data can be done comfortably with the Windows program DD-Logger manager.

The **DD-Logger Manager** supports all basic functions as initialization of the PC Card for recording (**Init-Card**) and data transfer from the card to the PC (**Read-Card**).

In addition, general parameters for recording can be defined, e.g. baud rate and memory organization (**linear-** or **circular memory**). These parameters are stored on the PC Card and are observed by the DD-Logger. Also the readout format can be configured (**ASCII** or **binary**).

The data transfer can occur either via the serial interface of the DD-Logger and a PC COM port (115.200 Baud), or by using the separately available PC Card reader Omnidrive. The Omnidrive can be connected to a PC via USB.

# Specification DD-Logger

Item	DD-Logger RS232 with front cover <sup>1)</sup>	
<b>Case Dimensions (WxHxD) Weight</b>	<b>External box</b> 109 x 35 x 176 mm approx. 430 g	
<b>Power Supply</b>	Device types: <b>5V DC <sup>2)</sup> or 8-32V DC</b> via 2-pole low voltage connector	
<b>Leistungsaufnahme <sup>3)</sup></b>	Device type <b>5V DC</b> :  approx. 300 mW (without PC Card)  approx. 500 mW (with PC Card)	Device type <b>8-32V DC</b> :  apprx. 500 mW (without PC Card)  approx. 800 mW (with PC Card)
<b>Interface lines</b>	Baud rate, Data bits, Stop bits, Parity selectable  <b>max. 115.200 Baud</b> (115.2k, 57.6k, 38.4k, 19.2k, 9.6kBaud)	
<b>Connector</b>	D-SUB 9-pin female	
<b>PC Card Slot</b>	One slot for <b>PC Card Typ II</b> at front	
<b>PC Card Types</b>	ATA Flash Card Typ II, ATA CompactFlash Card (with Adapter)	
<b>LED Indicators</b>	Operation: Power (green LED), access: BUSY (rote LED)	
<b>Environment</b>	<b>-40°C to +85°C</b> (operation and storage) humidity max. 90% (not condensing)	
<b>Conformity</b>	CE	

<sup>1)</sup> please ask: other mechanical versions, e.g. 3½", 19" or PCB-module

<sup>2)</sup> please ask: power supply via wall power supply

<sup>3)</sup> Measurement: with SuperStore ATA Flash Card

## Shipping contents:

- **DD-Logger**  
in external box with installation hints
- **RS-232 Cable**  
to connect the DD-Logger to a PC
- **Power Supply Cable** (open end) for device type 8-32V DC or adapter (USB, MDIN-PS2) for device type 5V DC
- **Disk (3 ½") with DD-Logger Manager:**  
for WIN 9x/Me, WIN NT 4.0, WIN 2000/XP

## Additional Products:

- **Omnidrive USB Pro**  
universal PC Card drive for USB interface for data exchange with PCs
- **PC Card Manager**  
for use with Omnidrive: Analyze / repair tool for ATA Flash cards
- **RW-PCATA-USB2**  
Simple drive for USB 2.0 interface
- **ATA Flash PC Cards**