

DataSafe

- ❑ *DataSafe* is a modern data recorder with integrated protection against manipulation
- ❑ Data and event registration in security systems
- ❑ PC Windows application for data display, collect, archiv, search and print
- ❑ Replacement for approved protocol printers
- ❑ Uses ATA Flash Cards as removable and flexible storage media
- ❑ Robust and compact
- ❑ Maintenance-free and cost-saving
- ❑ Temperature range: - 40° .. + 85°C

DataSafe is a modern and **cost-effective** alternative to formerly used protocol printers, wherever in **security systems** data and events have to be recorded **traceably** and with protection against manipulation.

Instead of manually searching for interesting data in endless printer outputs, now **PC systems** can **efficiently** be used for this purpose.

File management under Windows provides optimal and reliable archive and back-up possibilities.

Typical Data Sources

- ☞ Burglary alarm systems
- ☞ Failure detection systems
- ☞ Fire prevention alarm systems
- ☞ Access control systems
- ☞ Surveillance of buildings and facilities, e.g. patrol registration

BSI approval

An application for approval as data recorder in security systems and as adequate replacement for protocol printers with winding equipment has been filed at the BSI¹.

Identification of the application and **protection against data manipulation** are realized as key features.



DataSafe device

DataSafe can directly be connected via RS232 to the data source instead of for instance a protocol printer. The **data communication** is **compatible** with the so called **B-Protocol**².

SanDisk ATA Flash Cards are used as data storage media. Depending on the resulting data amount, a suitable card can be chosen between currently 8 MB and 1.2 GB in order to adapt the recording period to the maintenance period of the security system.

DataSafe uses a RS232 control line to inform the data source of a remaining memory capacity of less than 10%.

The low power consumption of *DataSafe* allows operation even with an emergency power supply.

DataSafe Manager (DSM)

For handling and data management a **32 Bit Windows application**³ is provided.

This tool supports all main functions, like preparation of the ATA Flash Card for data recording (**Init-Card**), data transfer from card to file (**Read-Card**), **display** of a document containing saved data, **search** for specific text in the document and generation of a **printout** of this document.

¹ Bundesamt für Sicherheit in der Informationstechnik (German Federal Office for Security in Information Technology)

² Industrial standard, supported by protocol printers

³ System requirements: PC with Microsoft Win 95/98, Win NT 4.0 or Win 2000 and sufficient memory capacity

ASCII Export


For the use of the data in other applications, a special function is available which stores the data in a file in ASCII-format.

These data may be read by or imported in many software tools and may be used for documentation, statistics or other helpful applications.

PC Card drive

A **PC Card drive** is needed for the data exchange between ATA Flash Card and PC. For this purpose the CSM **OmniDrive** is highly recommended. It is optimally qualified and easy to use.

Specification DataSafe

Item	DataSafe as external box with slot protection cover ¹⁾
Dimensions Weight	109 (W) x 35 (H) x 176 (D) mm approx. 400g
Power Supply ²⁾	8 V to 32 V DC via 2-pin low voltage connector
Power Consumption	approx. 400 mW (no PC Card) approx. 550 mW (with PC Card, no access) approx. 1100 mW (with SanDisk ATA Flash Card, access)
RS232 Interface	baudrate, databits, stopbits and parity selectable max. 115,200 Baud (115.2k, 57.6k, 38.4k, 19.2k, 9.6k ... Baud)
Connector	D-SUB 9-pol female
PC Card Slot	one slot for PC Card Type III at front
PC Card Types	ATA Flash Card SanDisk (type II and type III), ATA CompactFlash Card SanDisk (with adapter)
LEDs	operation: POWER (green LED) / access: BUSY (red LED)
Environment	- 40°C to + 85°C (operation and storage) humidity max. 90% (non-condensing)
Conformity	

¹⁾ please ask for: other mechanical versions, e.g. 3½, 19" or PCB module

²⁾ please ask for: 5 V DC power supply from data-source, an optional AC adapter or from PC via keyboard adapter

Shipping Contents:

- **DataSafe**
in external box, with Installation Guide
- **Power Supply Cable**
(2nd end open) to supply DataSafe from data source
- **Disk** (3½) with:
DataSafe Manager
and detailed Windows-Help-File

Additional Products:

- **OmniDrive**
Universal PC Card drive for PC printer port (SPP and EPP), for data interchange with PCs.
- **ATATOOL** (in conjunction with OmniDrive)
Software tool for analysis and recovery of ATA Flash Cards