

SIEMENS

Ingenuity for life

Perfectly recorded

Powerful recorder technology

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Versatile and expandable use

Whether it's trip, operation or incident data: The Siemens Recorder provides the opportunity for extensive data collection, benefiting operators of local and long-distance trains inland and overseas. The tried-and-tested products combine a flexible application in a wide range of operating and environmental conditions with an expandable and system-dependent design that can be modified at a later date.

Within the framework of the Judicial Recordings (JRU), the data recorders shall be used in accident assessment. All data recorders record in either an incident-oriented or track-oriented manner.

The range of data recorders provides the best conditions for the equipment of new vehicles and the modernisation and migration of existing solutions. The quality of the recorder technology has been proven through its worldwide use in vast quantities over the last few years.

Flexible data recording and resistance to extreme conditions

The ability to adapt to extreme external conditions is complemented by a range of data recording and presentation options. Data can be recorded via both proprietary inputs and various common data bus systems. The recording itself is track-oriented or telegram-oriented, and is stored internally, externally or on a mobile data storage system in different protection classes. The analysis software, DAREC, visualises the data that has been recorded by the data recorder in order to present, analyse and store signals and telegrams.

The standards and guidelines that apply for the fields of application for rail applications are compatible with specific operating conditions (fireproof, crash-protected). The recorders are optimally designed for extreme operating and environmental conditions, such as vibration, impacts or large temperature ranges to which railway vehicles are subjected.

Recording of trip and operating data



MC-B31/33 data recorder

- Main application mass transit transport
- Connection via CAN, IBIS, MVB
- Impulse, status and analogue inputs
- Tachometer, tachometer pulse and accessory outputs
- Memory: removable (ATA flash), internal crash-protected flash memory
- Slot for 19-inch carriers, 21/35 TE
- Rear/front connectors
- Operating voltage 24 V, 72 V, 110 VDC

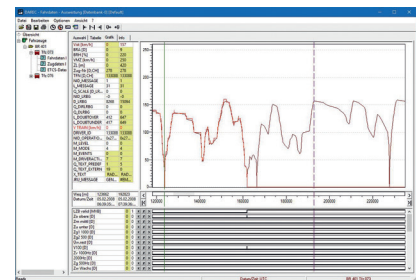
M-Rec S40/42 data recorder

- Main application mainline transport
- Connection via CAN, MVB, Ethernet, Profinet (SIBAS PN)
- Expansion options via add-on modules
- Memory: internal or external, crash-protected memory, fire-protected memory
- Slot for 19-inch carriers, 21/28/35 TE
- Front connectors
- Operating voltage 24 V, 72 V, 110 VDC

DAREC Software

The software, DAREC, presents graphic and tabular analysis results of recorded data, signals and telegrams. A printout of the data occurs in accordance with the relevant standards. Track-oriented data within the local transport sector, the train security systems LZB/PZB in the long-distance transport sector and telegram-oriented information from ETCS train security systems can be evaluated.

Accident and incident analyses are also possible using an event search, as is the protection of the data by means of passwords and rights management on the user level. The system prevents the manipulation of the raw data.



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This page contains a product overview for orientation purposes. Please refer to the respective data sheets for more information. Don't hesitate to get in touch.

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