Environment

Frauscher Diagnostic System FDS

The Frauscher Diagnostic System FDS visualizes the FAdC controlled track sections and facilitates the maintenance and the servicing of the installed components. It provides a high level of transparency by guaranteeing quick access to relevant additional information and by storing all the collected data for the efficient tracking of incidents.

Information

Clear/occupied status

Condition data of Axle Counter and Wheel Sensor

Applications

Diagnostic

Logging

Track layout

Benefits

Reduces maintenance costs

Preventive maintenance

Quick and efficient fault elimination

Extensive diagnosis and statistical data

Easy data management and archiving

FDS101

Through the application of Frauscher Diagnostic System FDS, various information can be collected in one system. The web client provides the possibility to use FDS completely platform independent. The visualization of the track layout and the logging site facilitates the continuous analysis of individual components. Occupied sections and faults are highlighted in colour on the track layout.

Technical Data

	FDS101
Interfaces	Redundant Ethernet RJ45, TCP/IP, 2x USB 2.0, 1x CAN, 1x RS232
Safety level	No SIL necessary
Temperature	-40 °C to +70 °C
Conditions	Protection class: IP4 Assembly: on top hat rail Ethernet connection necessary
Dimensions	Height: 31 mm Width: 169 mm Depth: 127 mm
Power supply	Voltage: +19 V DC to +72 V DC Power: ~10 W at 24 V
Prozessor	800 MHz
Memory	4 GB CF, 1 GB DDR2 SDRAM
MTBF*	~250,000 h at 25 °C (~28.5 years)

*Mean Time Between Failures