



DR3000

On Train Data Recorder

The Grinsty Rail DR3000 is a flexible and powerful On Train Data Recorder (OTDR) for all existing and new build rail vehicles. The ability to have a combination of over 128 channels, with built in Remote Condition Monitoring, makes this recorder a go to solution for those looking for a user-friendly, robust, flexible and advanced system.

With its full accident investigation capabilities, supporting driver safety, vehicle analysis, predictive and proactive maintenance abilities, the DR3000 is an all-round essential for train owners, operators and manufactures looking to benefit from exceptional value.

Connects to the Grinsty Rail CPM2000 Crash Protect Memory for secure data storage.

Features

- USB download
- Includes Remote Condition Monitoring as standard
- Automatic vehicle configuration via the code plug
- Flexible system to accommodate current and future needs
- Extensive communication and integration facilities for existing vehicle train borne systems
- Compatible with Grinsty Rail's Analyser software for advanced data analysis
- MMI Display + Keypad to enable on site user operation

SPECIFICATION

Power Supply	24Vdc, 72Vdc, 110Vdc
Power Consumption	Typically 30W
OTDR CPU Card	1 x CPM2000 serial port (M12 8 pin) 1 x USB 1 x Code plug 1 x Engineering port
RMD CPU Card	3 x Ethernet IEEE 802.3 (M12) 1 x Engineering port
MMI	2 Line display with navigation keypad
Input Options	16 Channel digital card 24Vdc, 72Vdc, 110Vdc, with data pre-processing 5 Channel isolated analogue card 0 to 20mA current loop or 0 to 10Vdc, with data pre-processing
Serial Communication Options	2 Channel multi-function isolated serial ports (RS232/RS485/RS422) with data pre-processing
Speedometer (SIL 2) Option	1 x Frequency input 1 x Analogue output 0 to 20mA (other options available)
Quadrature Card Option	2 Channel hi impedance quadrature frequency inputs
Relay Outputs	1 x Heathy relay, 1 x auxiliary relay
Software	Analyser, CJD, ADG/ADP, ADP3
Temperature Range	-25°C to +70°C (EN 50155 OT3)
Standards	EN50155, EN50121-3-2, EN 45545-2
Typical Weight	5 Kg (dependant upon configuration)
Typical Dimensions (W x H x D)	482.6mm x 133mm x 210mm, industry standard 3U 19" rack



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Specification subject to change
without prior notification.