



## DR2000

### Remote Condition Monitoring

The Grinsty Rail DR2000 is a multi-channel, fully configurable rail approved Remote Monitoring Device (RMD). The RMD helps form part of a Remote Condition Monitoring (RCM) system which results in improved efficiencies, reduced costs and managing risks of vehicle assets. Our RMD has been designed to integrate with existing data recorders, intelligent systems and a sensor.

With the benefit of adding additional sensors and inputs into the existing vehicle systems, the RMD brings new life to existing dated systems while keeping maintenance costs low.

#### Features

- Up to 128 inputs available, dependent upon configuration
- Serial data sniffing
- Configurable with up to 8 expansion cards
- Compatibility with Q-Tron data recorder as well as Arrowvale's DR1000 OTMR
- Remote off boarding of data via GSM
- Optional software packages to remotely view data
- Automatic vehicle configuration via the code plug
- Integration with existing vehicle systems
- RIA12 approved

## SPECIFICATION

Power Supply	24Vdc, 72Vdc, 110Vdc, POE
Power consumption	Typically 15W
Inputs (Standard)	1 x Ethernet IEEE 802.3 (M12) 2 x 0-40Vdc analogue 1 x Serial port (Isolated RS485) 1 x GPS port (RS232) 1 x Code plug 1 x Engineering port
Input Options	16 Channel digital card 24Vdc ,72Vdc, 110Vdc 5 Channel isolated analogue Card 0 to 20mA current loop or 0 to 10Vdc 12 Channel hybrid card with 10 digital and 2 analogue inputs
Serial Communication Options	4 Channel multi-function isolated serial ports (RS232/RS485/RS422) 4 Channel Intelligent multi-function isolated serial ports (RS232/RS485/RS422) with data pre-processing capability
GPS Option	3G with GPS, Dual SIM
Battery Back Up Option	Allows DR2000 to ride extended power dips, for example neutral sections or engine cranking
Software	Analyser, CJD, ADG/ADP, ADP3
Temperature Range	-25°C to +70°C (EN 50155 OT3)
Standards	EN50155, EN50121-3-2, EN 45545-2, RIA12
Typical Weight	3 Kg (H4 version)
Typical Dimensions (W x H x D)	360mm x 110mm x 205mm (H4 version)



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Specification subject to change  
without prior notification.