

DATASHEET



Product Description

ISM 2 is an integrated surface module with gauge decoding, data logging and display capability. Featuring an isolated RS485/232 Modbus RTU connection, this module is designed to communicate with a variety of wellsite equipment including variable speed drives (VSD) and remote terminal units (RTU) for SCADA integration.

Key Features

- Colour display
- Secure digital non-volatile flash memory
- Integrated keypad
- LED Indicators
- Supports Modbus RTU protocol

The removable SD card located at the bottom of the **ISM 2** can store more than five years' worth of data when logging at the maximum sample rate. The data is saved as a log file in a .csv format, allowing it to be accessed and analysed with Microsoft Excel or any other .csv-compatible software. Additionally, the **ISM 2** includes an onboard storage location that can back up downhole gauge data for up to six months.

ISM 2 is powered by a 24VDC supply and is protected by an IP30 rated metal enclosure with DIN rail clips for internal mounting.

An integrated alphanumeric keypad provides a quick and easy way to configure **ISM 2** for specific application needs.

Specification*		
Enclosure	IP30 rated, DIN rail mounted	
Power requirements	24VDC +/- 10%	2W to 8W (typical)
Connections	4x multi-way, push-fit, terminal block plug & socket	
Data storage	SD card up to 128GB	Onboard data backup (3 to 6 months typical)
Display	2.5" Colour LCD with screen saver	
Keypad	Alphanumeric	
Communications	RS 485/232 Modbus RTU	
Analog channel	4–20mA or 0–10VDC	
Relay driver	Normally open contact; Max: 125VAC @ 300mA; 60VDC @ 1A	
Operating temp	-30°C to 75°C (-22°F to 167°F)	
Weight	0.6Kg (1.3lbs)	
Dimensions	165 x 110 x 45mm (6.5 x 4.3 x 1.8")	175 x 110 x 70mm (6.9 x 4.3 x 2.8") with fittings
Certification	IEC 61010-1:2010 + AMD1:2016	IEC 61010-1:2010 + A1:2019
Standards	ISO 9001:2015	
Part number	4030-251-1001 (ESP Gauge version)	4130-251-1001 (Permanent Gauge version)

* Specification is subject to change. Alternative specifications are available upon request.