

DATASHEET



Product Description

The Integrated Surface Panel (**ISP 3**) is a standalone data management system that uses a modular design concept to display, log and monitor downhole conditions in real-time for maximum pump protection and optimised production from the well.

Key Features

- Colour display
- Secure digital non-volatile flash memory
- Integrated keypad
- Alarm/Trip relay
- Onboard diagnostics with live reporting

The inbuilt gauge interface module sends power to the downhole gauge and decodes the returning gauge signal, whilst our second-generation colour LCD provides a clear and concise overview of operating parameters and key diagnostic data. The removable SD card is internally located and is capable of storing over five years' worth of data at its maximum sample rate. Saved as a .csv format, the log files can be viewed with Microsoft Excel or other .csv compatible software. The integrated relay port can be programmed to activate on four different monitoring parameters simultaneously.

Powered from an AC or DC supply and housed in an IP rated enclosure, **ISP 3** is capable of being mounted in harsh environments and can be connected to a variety of wellsite equipment from switchboards and variable speed drives, to RTUs and SCADA systems, using an isolated RS485 Modbus RTU and/or Analog channel.

An integrated alphanumeric keypad simplifies initial setup, configuration, and ongoing user interaction.

Specification			
Enclosure	Aluminium, IP65 rated		
Power requirements	24VDC +/-10%	110-230VAC +/-5% 50/60Hz	15W to 25W (typical)
Connections	Multi-way terminal block plug and socket with 20mm cable gland entry		
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	NC/NO. Configurable for up to 4 parameters		
Operating temp	-30°C to 75°C (-22°F to 167°F)		
Weight	3kg (6lbs)		
Dimensions	190mm x 250mm x 10mm (7.5 x 9.9 x 0.4")		
Safety protection	Electrical fuse and current limiting circuitry		
Part number	4030-300-2101 (ESP Gauge version)		4130-300-2101 (Permanent Gauge version)

* Specifications are subject to change. Alternative specifications are available upon request.