Technical Specification Sheet

Probe Depth Logger

The Probe Depth Logger records and displays depth, line speed and tension to identify potential downhole problems if thresholds are triggered. It is designed to comply with essential health and safety requirements of Annex II ATEX directive 2014/34/EU and the standard EN 60079-15:2010 as Zone 2 rated equipment for use in hazardous areas. The enclosure is rated to IP66.

Ratings & Dimensions

Temperature Range	**Operating:** 14 to 122°F (-10 to +50°C) **Non-Operating:** -4 to 158°F (-20 to +70°C)
Width x Hight x Depth	3.94 x 6.30 x 3.15 in (100.0 x 160.0 x 80.0 mm)
Weight	1.1 lb (0.5 kg)
Materials	Die-cast Aluminium

Hardware Specifications

Display	4 line LCD digital display of real-time, depth, pull (tension) and line speed.
Connectors	Charger, encoder, pressure transducer, USB device.
Switches	2 off
Inputs	1 off 4-20 mA for tension sensor from the measuring head. 1 off quadrature IP for optical encoder for depth signal from measuring head.
Cable & Drum	263 ft (50 m) of cable on drum for connection from encoder to adapter box.

Measurements

Sample Rate	1 sec
Memory	512Mb for storing and backing up real time depth, line pull (tension) and line speed.
Transducers	Hohner I.S. encoder (100 PPR), 7 way connector, Zone 2 label / C.O.C.
Pressure Transducer	Intrinsically safe, 4-20mA, 0.15% accuracy, **Standard ranges:** 1000 to 30000 psi, c/w 10 mtrs of cable

Electrical Specifications

Power	Internal lithium battery for 24 hours of continuous logging. (Optional lead acid battery pack for minimum 50 hours of continuous logging.)

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