

Surface Depth Time Speed (DTS) Speed Recorder (SDR)

The Surface Depth and Time Recorder (SDR) is a ruggedized depth and speed data recorder for Slickline and Coiled Tubing memory logging, although it may be used for other applications where recording trips in and out of the hole will improve the process. The depth is recorded from a shaft encoder against time, together with other analogue channels such as wireline tension, wellhead pressure, or even a flowmeter. The SDR is intrinsically safe (IS).

The purpose of the SDR is to supply: Data logging over time, Depth/time data for merging into Memory tools, and a Real-Time display of depth and Line speed for the winch operator. Depth, Time, Cable Speed, and Tension Cable are displayed in real time. In addition, other parameters and analogue channels, and Frequency channels are shown.

The system has two modes: Configuration and Logging Mode.



For enquires please contact our distributor:

Flowlift Inc.
105-500 29 Street SE
Calgary, AB T2Z 3W9

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General Specs	SDR
Units	English /Metric
Temperature Rating	-20°C to 70°C
Dimensions	11.81"L x 8.87" W x 5.18"H (300.00mm x 225.00mm x 132.00 mm)
Case Characteristics	O-ring seal. Watertight, crushproof, and dustproof.
Rating	IP67/MIL STD – 810 G / DEF STAN 81-41
External Connections	IP68 - Dust Tight, Waterproof
USB Connector	Support USB2. SDR can operate as Standalone unit or/and to connect to a laptop with the Warrior software for Real time.
Alarms	Audible Alarm, 2.9 KHz. Alarms are defined by the user for tension, different depth, and cable speeds.
Calibrations	User calibrations for encoder, analogue channels, and frequency channels.
Display	320 x 240 pixel Transflective Display LCD , High contrast, High ,resolution, 400uW., Read-able in any lighting condition. Resistance to vibration 2G
Key Pad	Touch buttons
Memory	Flash memory to save user calibrations 256KB. Data Storage - USB flash drive 2.0
Tension	Tension transducer 4mA to 20mA, 12VDC.
Auxiliary Channels	3 analog inputs (4mA to 20mA, 0-5VDC), Two Frequency inputs, 3 Digital outputs.
Sample Rate	50mS.
Key Pad	Touch buttons
Power	<ul style="list-style-type: none"> •4x Duracell Procell or Energizer Max MN1300 Alkaline 'D'- cell batteries Typically 3 to 6 hr operation. •4x 3.6V, 19Ah lithium D-type batteries, typically 50 hrs @ 25 deg C. •12VDC battery Truck, or •12V AC/DC power adapter.
Software	Stand along / Warrior compatible
Special Features	Not include in the base model
LTE Communication	Real Time monitorization through internet. Modulation LTE/4G- QPSK, 16 QAM.
WiFi Communication	Real Time Operation and sensor network compatible. Modulation: 802.11b: CCK, DSSS, 802.11g/n: OFDM with BPSK, QPSK, 16-QAM, 64-QAM.

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