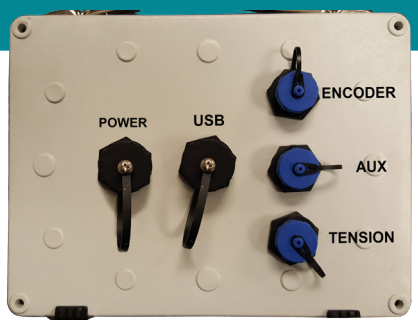
Surface Depth Time Speed

The Surface Depth and Time Recorder (DTS) 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 the whole will improve the process. The depth from a shaft encoder is recorded against time together with other analogue channels such as wireline tension, wellhead pressure or even a flowmeter. The DTS is intrinsically safe (IS).

The purpose of the DTS is to supply: Data logging against time, Depth/time data for merging in Memory tools, 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 displayed.

The system has two modes: Configuration, and Logging Mode.



For enquires please contact our distributor:
Flowlift Inc.
9152-52nd Street S.E., Calgary, AB T2C 5A9
www.flowlift.com **info@flowlift.com** **Tel. +1 (403) 251-3808**

General Specs	DTS
Units	English /Metric
Temperature Rating	-20ºC to 70ºC
Dimensions	7.874" I x 5.906" W (200.00mm x 150.00mm)
Height / Weight	3.937" (100.00mm) / 4 lbs (1.82 kg)
Rating	IP67, NEMA 4X,6, UL-508
Alarms	Audible user definable alarms. for tension , different depth, and cable speeds
Calibrations	User calibrations for encoder, analogue channels, and frequency channels.
Real Time Clock	10-years battery life
Analogue Resolution	12 bit
Explosion Protection	Ex ia IIC T4 Ga (-20°C < Ta <+40°C), Ex ia IIC T4 Gb (-20°C < Ta <+40°C) Pending
Display	320 x 240 pixel Transflective Display LCD , High contrast, High ,resolution, 400uW., Readable in any lighting condition. Resistance to vibration 2G
Key Pad	Touch buttons
Memory	Flash memory to save all the calibrations 256KB. And to save DATA up to 128GB Ultra micro SDXC
Auxiliary Channels	3 inputs 4mA to 20mA, or Voltage, Two Frequency inputs , or CAN Bus, or RS-485 or Digital outputs.
Depth Input	DIN 19234 Low power encoder fully supported. Supply 5VDC. Depth accepted from other encoders
Tension	Tension transducer 4mA to 20mA supply 12VDC to the transducer
USB Connector	Support USB2. It can work as Stand alone unit or/and connect to the laptop with the Warrior software for Real time
Sample Rate	50mS.
Power	4x Duracell Procell or Energizer Industrial MN1300 Alkaline 'D'-cell batteries Typically >300hr operation, or 4 lithium Cell > two months, or 12VDC battery Truck ,or AC/DC wall adapter.
External Connections	IP68
Software	Stand along / Warrior compatible

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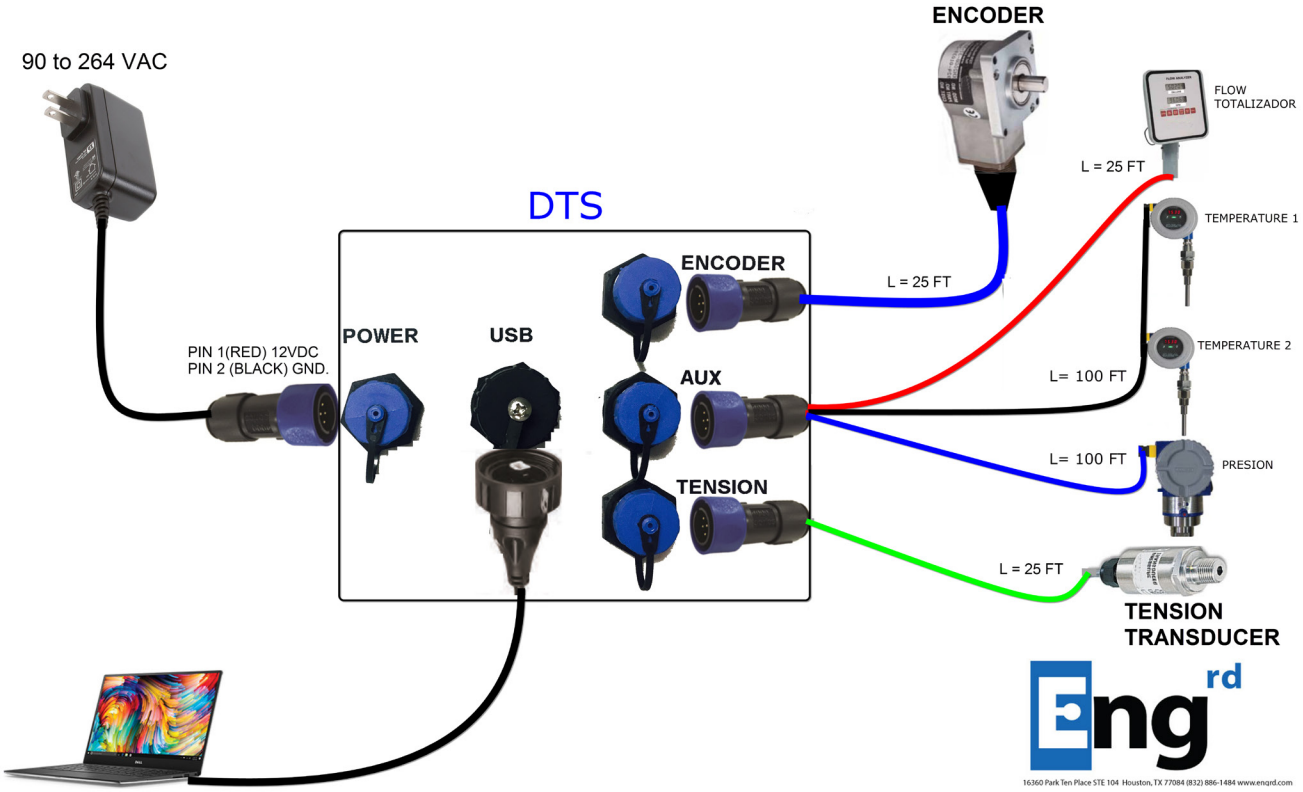

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