LAVERSAB

Depth Tracker

Innovative solutions for *hazardous locations* to drive *efficiency*.

INDEPENDENT

- ✓ No EDR, No problem
- ✓ Confirm Depth on your own; Avoid relying on another service company
- ✓ Performs all standard depth tracking measurements
- ✓ Customize with specific measurements

RIG-READY

- ✓ HazLoc Certified to Zone 1 & Zone 2
- ✓ Highly portable
- ✓ Easy to setup & operate

FLEXIBLE

- ✓ Transfer data over WITS0 or WITSML
- ✓ Bus options: Wireless, Ethernet, RS232, RS485
- ✓ Compatible with multiple encoders & hookload sensors

The Laversab Advantage

OUTSTANDING SERVICE...

- ✓ Easily customizable solutions
- ✓ Simple setup and operation
- ✓ 24/7/365 Support

...FOR A LIFETIME.

- ✓ 3-Year warranty (+2 years opt.)
- ✓ Rig-up & operation training
- ✓ High-performance CPU options

LAVERSAB

Overview

The *Laversab Depth Tracker* is a fully integrated depth tracking solution that allow the user to directly connect encoder, hook load sensor, and manual slip-switch. This unit is pre-loaded with the user-friendly *Depth Tracker Software*, useful to configure and calibrate the depth tracker module. In absence of an EDR or data logger, the *Depth Tracker Software* can be used for logging all the depth tracking measurements for the entire job.

Capabilities

- Depth tracking measurements:

  - Bit Depth
  - Block Height
  - Slips In/Out
  - Hole Depth
  - Hook Load
  - Date
  - Rate-of-Penetration (ROP)
  - Weight-on-Bit (WOB)
  - Time

- Compatible with all major incremental encoders built for hazardous locations
  - Encoder Power Supply input: 5-8VDC; max. 110mA max. current
  - Encoder Signal output: 0-5VDC Line driver; A $\overline{A}$ and B $\overline{B}$, or A and B.
- Compatible with standard 24VDC 4-20mA hook load sensors built for hazardous locations
- Hook load, encoder and manual slip switch sensor channels are 'Ex ib' rated.
- WITS input and output channels (rated Ex ic): RS232 and RS422/485

Technical Specifications

Product Type	Depth Tracker
Certifications	ATEX / IECEx Zone-2 and Zone-1
Display	10.4" scratch resistant touch-screen with polarizer
Brightness	1300 nits; Sunlight readable with adjustable brightness
Processor	Intel® Atom 1.91 GHz Quad-core
Operating System	Windows 10
Data storage	128 GB
Memory	8 GB DRAM
Application software	Laversab Depth Tracker Software Pre-loaded
Wireless LAN	2.4GHz or 900MHz options
I/O	2x USB, WITS(RS232), WITS(RS422), RS232, RS422/485

Power	90-260 VAC, 47-63 Hz, 150 VA
Operating Temp	–40°C to +60°C
Storage Temp	–40°C to +75°C
Humidity	5 to 100%
Sealing	IP66 on all six sides
Weight	9 lbs
Dimensions	11.4"(w) 9.4"(h) 4.0"(d)
Mounting	Hanger & Panel mount; VESA-75/100
Operating shock	50 G, 11 ms half-sine
Operating vibration	3.0 G RMS, 5 to 500 Hz