

Depth Tracker Option

Innovative solutions for hazardous locations to drive efficiency.



INDEPENDENT

- ✓ Confirm Depth on your own; no more relying on other companies for your critical data
- ✓ Performs all standard depth tracking measurements for logging or export
- ✓ Customize MWD surface systems with integrated, seamless Depth Tracking
- ✓ No EDR, No problem!



RIG-READY

- ✓ Hazardous Area certified for ATEX / IECEx Zone 1 and Zone 2
- ✓ Highly portable and easy to use
- ✓ Simple setup & operation
- ✓ Rugged Laversab platform for reliable operation in any environment



FLEXIBLE

- ✓ 3 Additional 4-20 mA sensor inputs
- ✓ Transfer data over WITS0 or WITSML
- ✓ Bus options: Wireless, Ethernet, RS232, RS485
- ✓ Compatible with most encoders, hookload sensors, & slip switches



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

Overview

The Depth Tracker is a fully integrated electronics module that adds depth tracking capability to new or existing Laversab 28xx Series rig-floor computers. The module includes all the necessary safety barriers that allow the user to place the encoder, hook load sensor and manual slip switch in 'hazardous' locations. If an EDR or other data logger is not available, the Depth Tracker Software can be used for logging all depth tracker measurements.

Capabilities

The depth tracker performs following measurements:

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

Technical Specifications

Product Type	Optional module for 28xx computers
Certifications (<i>Pending</i>)	
RS232	Ex nA nC
RS422/485	Ex nA nC
Encoder Interface	Ex ib IIC
Hook Load Interface	Ex ib IIC
Manual Slip Switch Interface	Ex ib IIC
Compatible Encoder Specs.	
Encoder Power Supply	5-8VDC; 40 mA current
Encoder Signals	Line driver; A \bar{A} and B \bar{B} , or A and B.
Compatible Hook Load and 4-20 mA channel specs.	
Hook Load Power Supply	24VDC
Hook Load Signal	4-20mA