

Depth Tracker Option

For Models: 2804 / 2852 / 2860



Laversab Depth Tracker Option (for Models: 2804/2852/2860)

➤ Overview

The *Depth Tracker* is a fully integrated electronics module that adds depth tracking capability to the 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. A user-friendly *Depth Tracker Software* is included, which allows the user to configure and calibrate the depth tracker module. If an EDR or other data logger is not available, the *Depth Tracker Software* can also be used for logging all the depth tracker measurements for the entire job duration.

➤ Capabilities

- The depth tracker performs following measurements:
 - Bit Depth
 - Block Height
 - Slips In/Out
 - Hole Depth
 - Hook Load
 - Date
 - Rate-of-Penetration (ROP)
 - Weight-on-Bit (WOB)
 - Time
- Compatible with majority of incremental encoders and hook load sensors built for hazardous locations
- Direct connection to Hook load sensor, encoder and slip switch
- WITS input and output channels: RS232 and RS422/485
- Provision for adding custom DAQ-card and additional external interfaces

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; max. 110mA max. current
Encoder Signals	5VDC Line driver; A \overline{A} and B \overline{B} , or A and B.
Compatible Hook Load Specs.	
Hook Load Power Supply	24VDC
Hook Load Signal	4-20mA

