

Model 4210

Depth Tracker



4210: Laversab Depth Tracker

➤ Overview

The *Laversab Depth Tracker* is a fully integrated depth tracking solution in 9 lbs IP66 package with a 10.4" display. The unit includes all the necessary safety barriers that allow the user to directly connect encoder, hook load sensor and manual slip-switch, which could be placed in 'hazardous' locations. This unit is pre-loaded with a user-friendly *Depth Tracker Software*, which allows the user to configure and calibrate the depth tracker module. In absence of an EDR or any other data logger, the *Depth Tracker Software* can also be used for logging all the depth tracker measurements for the entire job duration.

➤ Capabilities

- Depth tracking measurements:
 - Bit Depth
 - Hole Depth
 - Rate-of-Penetration (ROP)
 - Block Height
 - Hook Load
 - Weight-on-Bit (WOB)
 - Slips In/Out
 - Date
 - 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; \overline{A} and \overline{B} , or A and B.
- Compatible with standard 24VDC 4-20mA hook load sensors built for hazardous locations
- Direct connection to Hook load sensor, encoder and slip switch
- 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
- Provision for adding custom DAQ-card and additional external interfaces
- Wireless interface to Safe-Area PC (SAPC) to minimize cabling

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	<i>Laversab Depth Tracker Software</i> 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



www.laversab.com
sales@laversab.com

Houston, TX
Phone: (281) 325-8300
Calgary, AB
Phone: (403) 606-5765