



Model 4100 MWD Surface System

This compact unit is designed for use on the Rig Floor and functions as the Tool Interface for the down-hole Directional Tool. The pressure transmitter on the pump connects directly to the 4100 and allows the built-in XXT Receiver to decode the mud-pulses generated by the down-hole tool. The 4100 displays all the relevant information received from the tool. It also sends this information through a wireless interface to a safe-area laptop PC for viewing, logging and further analysis. The 4100 along with a safe-area PC provides a complete surface system for the directional tool. Best of all, the 4100 is compatible with various popular directional tools that feature the QDT system.

Specifications

- The following parameters are decoded and displayed:
 - Tool Face
 - Inclusion
 - Azimuth
 - Mag. Field
 - Grav. Field
 - Dip Angle
 - Gamma *
 - Bit Depth
 - Total Depth
 - Pump Pressure
 - Pump status
 - Battery Voltage
 - Temperature
 - Avg. Quality
 - Avg. Confidence
 - Pulse Width
 - Latest Receiver technology from XXT provides 90% or higher Confidence of data received
 - Works directly with the most popular (QDT) directional tools on the market.
 - Highly reliable Wireless or hard-wired Ethernet interface to safe-area laptop PC.
 - Tool programming and testing is simplified using a separate Interface and Test Box.
 - Features a 15" sunlight-readable display with auto-dimming
 - High resolution scratch-resistant Resistive Touch-screen with redundant mouse on front
 - Application software pre-loaded
 - Operating power : 90-260 VAC, 47-63 Hz, 250 VA
 - Operating temperature : -40°C to 50°C
 - Storage temperature : -40°C to 75°C
 - Operating / Non-operating shock : 50 G, 11 ms half-sine
 - Operating / Non-operating vibration : 3G RMS, 5 to 500 Hz.
 - Humidity : 5 to 100%
 - Sealing : NEMA-4 on all six sides
 - Weight : 25 lbs
 - Dimensions : 16.2" (w) x 14.8" (h) x 4.45" (d)
 - Certification : UL 1604 / CSA C22.2 No. 213 , Class 1 Div 2 locations
Groups A, B, C & D ; Temp. code T6 at 50°C ambient
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Houston, TX
Calgary, AB

Phone: (281) 325-8300
(403) 592-1720
Fax: (281) 325-8399
Website: www.laversab.com
E-mail: sales@laversab.com