

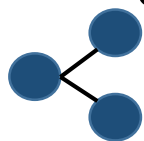
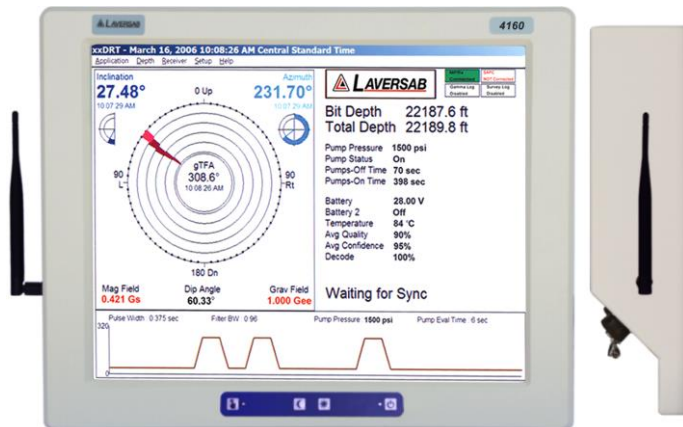
MWD Surface Systems (10", 15", 19") Zone 2

Innovative solutions for hazardous locations to drive efficiency.



SIMPLIFY

- ✓ Reduce cabling with wireless interface to Safe-Area
- ✓ Hangar, Vesa, & Panel-mount ready



CONNECT

- ✓ Directly connect to pressure transmitters, EM Lines or 4-20 mA signals from the rig floor
- ✓ Compatible with most QDT-type systems and positive pulse tools



PERFORM

- ✓ Display, log & record all relevant drilling parameters
- ✓ Reduce rig-up time
- ✓ Operate from -40°C to +60°C



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

Applications

- Mud-Pulse and EM **Rig Floor Decoder/Receiver & Driller's Display**

Drilling Parameters decoded, displayed and logged:

- Tool Face
- Grav. Field
- Total Depth
- Temperature
- Mag. Field
- Inclination
- Dip Angle
- Pump Pressure
- Avg. Quality
- Bit Depth
- Azimuth
- Gamma
- Pump Status
- Avg. Confidence
- Battery Voltage
- Resistivity
- Rotary Steerable
- Inc-at-Bit
- Gamma-at-Bit
- Rotation Monitor

Technical Specifications

Product Type	MWD Surface System
Certifications	ATEX / IECEx Zone-2
Display	10.4" / 15" / 19" 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 to 512 GB SSD
Memory	8 GB DRAM
Application software	Pre-loaded xxMWD™ Software Suite with Tool Programming + Roll Test
Tool programming	Interface and Test box

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	4104: 9 lbs/ 4152: 15 lbs/ 4160: 22 lbs
Dimensions	4104: 11.4"(w) 9.4"(h) 4.0"(d) 4152: 15.2"(w) 12.3"(h) 4.0"(d) 4160: 18.4"(w) 15.4"(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

Wireless LAN	2.4GHz or 900MHz options
I/O	2x USB, 2x RS-232, LAN
Sensor inputs	2x 4-20mA Pressure Transducer