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## Model 4100 MWD Surface System

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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.

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### 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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