

# KEYDRILL DYNAMIC SURVEY MODULE (DSM)

## Overview:

KeyDrill's Dynamic Survey Module (DSM) measures the static and dynamic inclination values during pump off and while drilling. The DSM is compatible with most of the popular Tensor-based MWD systems on the market. Although it can be placed anywhere along the MWD tool string, most operators prefer it to be installed inside the pulser pressure housing on top of the driver. This allows for inclination measurements approximately 10 feet closer to the bit.

## Features:

- Accurate Static Inclination measurement.
- Accurate Continuous Inclination measurement.
- Compatible with most Tensor-based MWD systems.

## Specifications:

Inclination: .....  $\pm 0.10$  degrees  
Tool Face Accuracy: .....  $\pm 1.0$  degrees  
Max Temperature: .....  $150^{\circ}\text{C}$   
Max Hydrostatic Pressure: ... 20,000 PSI (137.9 MPa)  
Operating Voltage: ..... 18-38 V  
Nominal Current: ..... 15mA @ 28V  
Shock: ..... 1,000g / 0.5 millisecond  
Vibration: ... 25g RMS 30-500 Hz Random; 20g all axes  
Connection Style: ..... 15p/15s MDM  
Tool Dimensions: ..... 1.46"dia. x 11.4"L / 11lb.

## Field Data while Drilling – Continuous Inclination:

