

# EnSight MWD™ POSITIVE PULSE

**The EnSight MWD Positive Pulse system offers a complete solution for reliable downhole operations in the Western Canadian Sedimentary Basin.** The combination of Ensign's experience and the EnSight MWD Positive Pulse System will deliver unmatched service and quality. EnSight MWD Positive Pulse System allows the flexibility of a stand-alone unit, gamma ray, shock and vibration, along with resistivity as added options to provide a complete downhole information package to our clients.

## Features

- Improved control and flexible management of downhole sensors
- Intelligent power management for maximum battery life
- Real-time and recorded shock and vibration data
- High quality data transmission and self-correction to optimize drilling speed capability
- Ruggedized packaging, field proven to 175°C
- Optimized data management to exploit Pulser bandwidth
- Feature rich acquisition software allowing full control of all aspects of the operation
- Interchangeable probe configuration

DIRECTIONAL SENSOR SPECIFICATIONS*			
Parameters	Accuracy	Repeatability	Resolution
Azimuth (Degrees)	+/- 0.5	+/- 0.5	0.1
Inclination (Degrees)	+/- 0.05	+/- 0.05	0.1
Operating Temperature (°C)	+/- 2.0	+/- 1.0	0.1
Local Magnetic Field (Total Magnetic Field, microTeslas)	+/- 0.1 µT	+/- 0.1 µT	0.05 µT
Gravitational position - front of the unit (Highside Toolface, Degrees)	+/- 0.5	+/- 0.5	0.1
Magnetic position - front of the unit (Magnetic Toolface, Degrees)	+/- 1.0	+/- 1.0	0.1
Azimuth position - front of the unit (Magnetic Toolface referenced to Grid or True North, Degrees)	+/- 1.0	+/- 1.0	0.1
Transmission resolution: Selectable			
Speed (Data Rate): 0.625 bits/sec nominal			

\*calculated data only

