

APPLICATIONS

- Directional drilling
- Geosteering operations

FEATURES

- Real-time transmission of inclination measurements at the bit
- Data transmitted to the receiver within Pacesetter EM or Pulse MWD system
- Fixed, adjustable, or straight housing
- Compatibility with multitude of power sections
- Integral battery powered electronics
- Compatibility with all mud types

BENEFITS

- Enhances well placement in complex environments
- Reduced well tortuosity and dogleg severity, reducing NPT and improving borehole condition

Inclination measurements positioned directly behind bit for time-critical decisions

The Near Bit Inclination Motor reduces the reaction time for making critical steering decisions and maintains the wellbore in the target by easily identifying bit deflection, and predicting BHA tendencies or drilling trends. Ideal for accurate well placement, providing dynamic inclination, shock and vibration measurements right behind the drill bit.

Used in vertical or build sections to follow the well design and optimize slide/rotate ratio, and in the lateral to limit tortuosity while steering to geological targets. Configurable with any power-section to suit even the most challenging formations.

Integral design housed within motor

The Near Bit Inclination Motor houses the high accuracy inclination package, high-capacity battery, and transmission electronics to continuously process inclination measurements behind bit. Design considerations to exclude moving or external components, thus mitigating potential breakage or loss of instrumentation

Upon drilling out of the shoe, inclination measurements can be transmitted while the drilling assembly is still inside of casing.

TOOL SPECIFICATIONS

Inclination accuracy	±0.13 °
Maximum temperature	125 degC (257 degF)
Battery life	400 hrs
Pressure	69 MPa (10,000 psi)
675 Series sensor location	0.80 m (2.62 ft)
800 Series sensor location	0.90 m (2.95 ft)
Adjustable bit to bend length	2.10 m (6.89 ft)
Fixed bit to bend length	1.81 m (5.94 ft)
Maximum OD (8" motor)	8.9 in (225 mm)
Maximum OD (6.75" motor)	7.5 in (190 mm)

