Gyrodata’s gyro while drilling service, Quest™ GWD provides all-attitude, high-accuracy, high-performance coriolis vibratory rate-gyroscopic surveys in real-time as drilling progresses. This modular gyro while drilling tool is combined with a host measurement while drilling (MWD) & telemetry system, and provides rate-gyroscopic steering and survey data in vertical to horizontal applications.

**MECHANICAL SPECS**

- **Probe Length:** 9.9 - 10.4 ft (3.02 - 3.17 m)
- **Probe OD (Standard probe):** 1.875 in (47.625 mm)
- **Probe Weight:** 55 lbs (24.95 kg)
- **Host Collar Size:** 4.75 - 9.5 in (120.65 - 241.3 mm)

**ENVIRONMENTAL SPECS**

- **Probe Pressure Rating:** 20,000 psi (151.7 MPa)
- **Probe Temperature Range (Standard probe):** 32° - 302° F (0° - 150° C)
- **Maximum Vibration:** 20 gmax (5-1000Hz)
- **Maximum Shock:** 500g, ½ sine, ½ msec

**GENERAL SPECS**

- **Sensor Type:** 3-axis coriolis vibratory rate gyro, 3-axis accelerators
- **Survey Accuracy:** Wellbore Dependant
- **Running Mode:** Gyrocompass, Continuous Toolface, Continuous Inclination while Sliding
- **Measurement**
  - **Inclination:** 0° - 180° ±0.05°
  - **Azimuth:** 0° - 360° ±0.1°
  - **Tool Face:** 0° - 360° ±1.0°
  - **Gravity Tool Face:** -180° - 180° ±1.0°

**MARKET + APPLICATIONS**

- Vertical, Directional & Horizontal Drilling
- Multi-Well Pad Drilling
- Offshore & Riserless Drilling
- Onshore Drilling
- Batch Well Drilling
- High Latitude Drilling
- Gross Error Detection
- Definitive Wellbore Placement
- Ellipse of Uncertainty Reduction
- Areas of Magnetic Interference
- Collision Avoidance
- Side-Tracking
- Relief/Intervention Well
- RSS Drilling
- Casing While Drilling
- IFR & MWD Validation