KEYDRILL GYRO TOOLS

Overview:

The KeyDrill North Seeking Gyro tool is designed with solid-state sensors for unmatched precision in high shock, vibration, and temperature environments. This rugged tool delivers accurate, reliable measurements without the need for regular calibrations. With a fast north-seeking time of 20 seconds, the gyro measures the Earth's rotation and gravity fields, offering quick and reliable North seeking wellbore survey data.

Key Features:

- Solid-state sensors, no field calibration required
- High-speed continuous survey mode - up to 650 ft/min (200m/min)
- Smallest and lightest North seeking gyro with 1 3/8" O.D.
- High accuracy and reliability
- Very rugged, suitable for free-fall drop gyro and wireline steering

Technical Specifications:

Inclination Range: ..... 0° - 70°

Azimuth Accuracy: ..... 0.1°

Gyro/Roll ToolFace Accuracy: ..... 0.5°

Survey Time: ..... 20 seconds (standard)

Temperature Rating: ... 0°C - 110°C (200°C w/ shield)

Thermal Shield Operating Time: .... 4 hours at 200°C

Pressure Rating: .....11.6k PSI

Shock Resistance (Sensor): ..... 200g, 1/2 sine 1mS

Shock Resistance (with ToolString): 200g

Vibration Resistance: ... 18g rms, 20-1,000Hz random

Battery Type: ..... CR123A or LS26500

Battery Operating Time: ..... up to 40 hours

Applications:

- Wireline wellbore surveys – gyro compass multishot
- Wireline continuous mode with speed of 200m/min
- Wireline orientation with steering gyro for motor & whipstock sidetracks
- Drop gyro multishot surveys
- Slick-Line memory surveys for rigless operations

Dimensions:

Tool O.D: ..... 1 3/8"

Tool O.D. with thermal shield: ..... 1 5/8"

Length: ..... 78" (6.5 ft)

KEYDRILL
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