

Solid-state memory dual-gyroscope

Acquire surveys in just 32 seconds

Applications

- Onshore and offshore drilling
- Collision avoidance
- High-latitude operations
- East–west drilling
- Extended-reach drilling
- Survey validation
- Gross error detection

Benefits

- Acquires data quickly
- Achieves unprecedented precision
- Requires zero additional rig time
- Measures at all attitudes

Features

- Geological model improvement
- Reduced ellipse of uncertainty
- Flexibility to survey during various stages of wellbore construction and production
- Independent verification of quality control by third parties



Fast and reliable, the OmegaX Gyro solid-state memory dual-gyroscope can measure the Earth's rotation and gravity fields in only 32 seconds.

How it improves performance

OmegaX Gyro™ solid-state memory dual-gyroscope measures the Earth's rotation and gravity fields in just 32 seconds. Its advanced solid-state sensor ensures unmatched accuracy without requiring regular calibrations or mass unbalance errors. This all-attitude surveying system significantly reduces the ellipse of uncertainty and eliminates the complexity and costs associated with wireline gyros, in-field referencing, and multistation analysis corrections.

How it works

OmegaX Gyro solid-state memory dual-gyroscope collects measurements during pipe connections, enabling simultaneous surveys alongside rig operations and saving valuable time. Its durable solid-state sensors ensure accuracy and reliability in high-shock, high-vibration, and high-temperature conditions.

OmegaX Gyro Specifications

Specifications	OmegaX Gyro
Type of gyro sensor	3-axis solid-state
Survey sequence time (gyrocompassing)	32 s
Recalibration requirements	Rarely
Maximum temperature	150 degC [302degF]
Independent surveys	Yes
Backreaming possible while pulling out of hole	Yes
Incremental rig time usage	None
Shock and vibration survivability	High
Transparent data quality control	Yes

All specifications are subject to change without notice.