WellSeer

North-seeking gyro system

Know where the well is.
Orient the next move without relying on magnetics.

0.5°
Typical azimuth accuracy*

1.75 in
Pressure-cased diameter

4 modes
Flexible deployment

WellSeer supports wellbore surveying, whipstock orientation and drilling-motor orientation. Its modular configuration allows deployment on electric wireline, as a drop gyro, on slickline in memory mode, or within compatible partner tool strings.

One system. Four ways to deploy.

01 Electric wireline

Real-time surface readout for orientation and surveying.

02 Drop gyro

Run through drill pipe with controlled descent and landing; retrieve with the drill string.

03 Slickline memory

Battery-powered recording for surveys without electric wireline telemetry.

04 Partner tool strings

Integration with compatible wireline assemblies, coordinated with specialist partners.

*Typical azimuth accuracy depends on wellbore profile, tool configuration and correct survey procedure. Performance data is based on controlled measurements; field results may vary.

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From orientation to kick-off.

Work with specialist whipstock suppliers to orient the whipstock. After the casing window is milled, use the gyro to orient the drilling motor for sliding through the window and kicking off in the planned direction.

01	02	03
Orient whipstock	Mill casing window	Orient motor

Technical specifications

Typical azimuth accuracy	0.5°; dependent on wellbore profile
Instrument diameter / length	1.3 in (33 mm) / 33 in (838 mm)
Pressure case	1.75 in OD; 40 in minimum length, without thermal shield
Pressure rating	20,000 psi
Operating modes	Wireline or battery; orientation, survey, memory multishot, drop
Continuous survey readout	Wireline speeds up to 300 ft/min (approx. 91 m/min)
Memory / battery	3,000 shots; up to 20 hours, dependent on programming
Wireline telemetry	Digital; mono- or multi-conductor to 30,000 ft
Maximum power consumption	6 W
Sensors	Twin-axis gyroscopes; tri-axial accelerometers
Temperature with thermal shield	Up to 200°C for up to 8 hours
Temperature without thermal shield	40-200°F (approx. 4-93°C)
Shock / vibration	200 g, half-sine 1 ms / 10 g rms, 20-1,000 Hz random

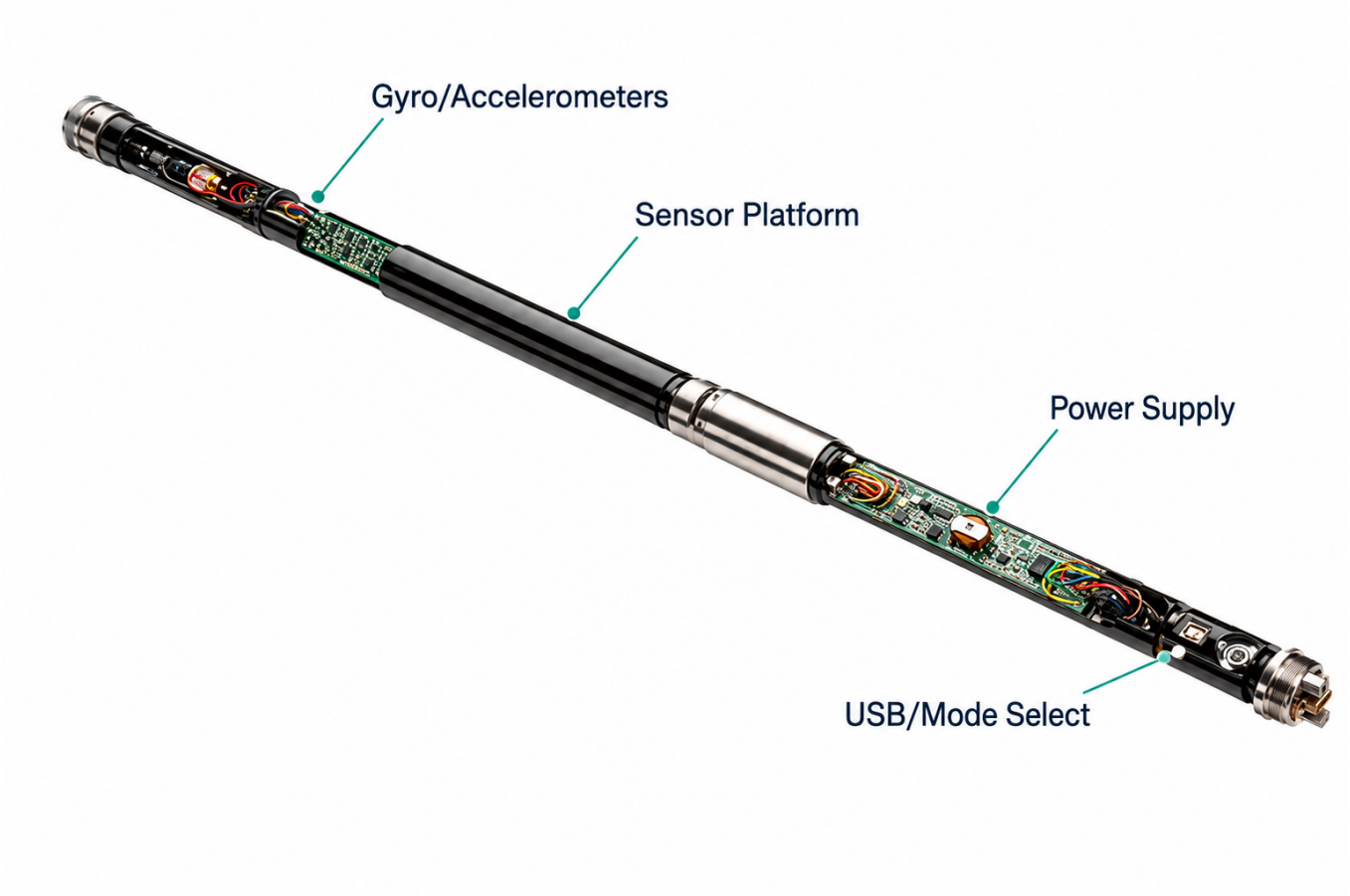
Ratings apply to the referenced configuration. Confirm the pressure housing, thermal shield, time-temperature envelope and survey programme before mobilisation. Maximum ratings are not a guarantee of simultaneous performance.

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Inside the instrument.

A view of the gyro and electronics assembly, showing the component groups identified in the supplied illustration.



Illustrative component view. Original graphic enhanced for presentation; fine details and the deployed configuration may vary.

Built around your survey programme.

Discuss wireline, drop, slickline memory or partner-tool deployment with Well Guidance. We will confirm the appropriate configuration for the job.

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