

InFlex – Technology Specifications

Utilizing Inertial Navigation System (INS) technology, the InFlex brings new levels of accuracy, productivity, competition and customer service to the surveying with the world’s smallest commercial high accuracy INS system.

Instrument Performance	<ul style="list-style-type: none"> ▪ Accuracy: Dependant on wellbore profile ▪ Typ Azimuth Accuracy: 0.15° SPE WPTS (ISCWSA) error model available on request
Operating Features	<ul style="list-style-type: none"> ▪ Pressure Cased OD: 1.75" (without thermal shield) 2.2" (with thermal shield) ▪ Pressure case length: 80" min ▪ Pressure Rating: 18,000psi ▪ Operating modes: Wireline or battery Orientation, survey, multishot, drop Seated Steering drilling mode Continuous survey readout at wireline speeds up to 600 ft/min ▪ Memory Capacity: 12 hours of continuous surveys ▪ Communications: Serial high speed USB ▪ Battery Life: Up to 12 hours ▪ Drop Mode: High speed / Multishot drop with lander assembly ▪ Wireline Telemetry: Digital, Mono or multi conductor to 30,000 ft ▪ Depth Measurement: High accuracy continuous depth measurement system
Electrical Power	<ul style="list-style-type: none"> ▪ Max Power Consumption: 20 Watts
Sensors	<ul style="list-style-type: none"> State-of-the-art twin axis gyroscopes High accuracy tri-axial accelerometers
Environmental	<ul style="list-style-type: none"> ▪ Temperature: 32-400°F with thermal shield for up to 12 hours 40-257°F (without thermal shield) ▪ Shock: 500g, 1/2 sine 5mS ▪ Vibration: 10g rms, 20-1000Hz random
Surface Equipment	<ul style="list-style-type: none"> ▪ Wireline Power Supply: 110/240v AC in, 300v DC Out ▪ Rig Floor Display: Intrinsically safe readout, PC based ▪ Software: Windows 7 based service software

Note: Performance data is based upon measurements in a controlled environment and field results may vary.