

InFlex Solid State (IS2) - Technology Specifications

Utilizing high accuracy solid state technology, the InFlex Solid State (IS2) provides the ultimate high accuracy all attitude borehole inertial system, with advanced signal processing techniques enabling unparalleled high-speed continuous survey performance.

Instrument Performance	<ul style="list-style-type: none"> ▪ Accuracy: Dependent on wellbore profile ▪ Typ Azimuth Accuracy: 0.25° SPE WPTS (ISCWSA) error model available on request
Operating Features	<ul style="list-style-type: none"> ▪ Pressure Cased OD: 1.75" (without thermal shield) 1.75" (with thermal shield) ▪ Pressure case length: 60" min ▪ Pressure Rating: 18,000psi ▪ Operating modes: Wireline or battery Orientation, survey, multishot, Freefall drop Real time Steering mode Continuous survey readout at wireline speeds up to 600 ft/ min ▪ Memory Capacity: 20hours of continuous surveys ▪ Communications: Serial high-speed USB ▪ Battery Life: Up to 20 hours ▪ Drop Mode: High speed / Continuous or 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: 5 Watts
Sensors	<ul style="list-style-type: none"> State of the art solid state gyroscopes High accuracy tri-axial solid-state 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: 1000g, 1/2 sine 3mS ▪ Vibration: 10g rms, 20-1000Hz random
Surface Equipment	<ul style="list-style-type: none"> ▪ Wireline Power Supply: 110 / 240 v AC in, 250mA Out ▪ Rig Floor Display: PC based ▪ Software: Windows 10 based service software

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