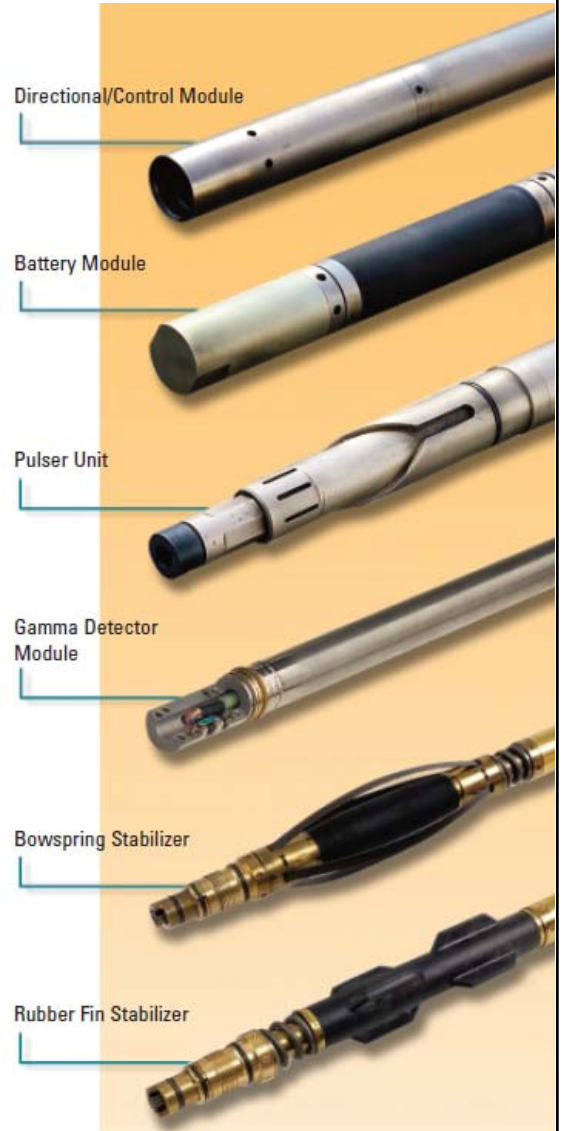


SPECIFICATIONS				
Tool OD	47.625 mm (1.875")			
Sizes	79mm (3.125")	121mm (4.75")	165mm (6.50")	203mm (8.00")
Flow Range	0.2-0.5 m ³ /min (50-130 gpm)	0.5-1.0 m ³ /min (130-265 gpm)	0.9-2.0 m ³ /min (235-530 gpm)	1.5-3.5 m ³ /min (400-925 gpm)
Temperature Range	-40 °C to +150 °C (-40 °F to +302 °F)			
Pressure Range	0—137 Mpa (0—20,000 psi)			
Telemetry	Positive Pulse			
Flow Switch	Vibration Flow Switch in Pulser Module			
Sensor Specs	Inclination +/-0.1°	Azimuth +/-1.0° (Inc >0.5)	Toolface +/-0.5°	Dip Angle +/-0.1°
Transmitted Resolution	Inclination 0.1° to 3.0°	Azimuth 0.1° to 1.5°	Toolface 0.1° to 15°	
Retrievability	Retrievable through 54mm (2.125") ID or greater			



MWD/LWD EQUIPMENT

- Directional Sensors/Electronics
- Battery Pack
- Pulser/FlowSwitch
- Optional Gamma Detector
- Bowspring or Finned Centralizers
- Diameter: 1.875 in.

Lengths:
 25 ft. standard directional only
 32 ft. with gamma or second battery pack
 39 ft. with gamma & second battery pack

SURFACE EQUIPMENT

- Rig Floor Decoder
- Safe Area Interface
- Standpipe Pressure Transducer
- Depth Tracking System (optional)
- Connection cables

WIRELESS DECODER