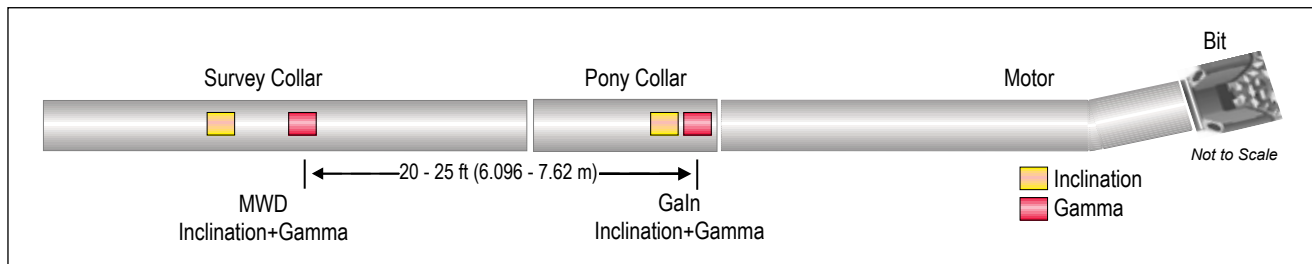




Gamma Inclination Geosteering Module (Galn)



The Gamma Inclination Geosteering Module (Galn) is part of the MWD toolstring that can be extended to just above the motor. It works with both the SDI E-Field and Mud Pulse MWD systems. As part of the MWD system, it does not require separate batteries and/or transmission systems and can work independently of the motor used. The Galn modules are small and easily transportable, intended to match the SDI design culture. The modular design of the Galn tool allows it to be run in all of SDI's retrievable configurations, when Lost In Hole is a concern.

Features

- The Galn module positions gamma and inclination 20 to 25 feet closer to the bit than standard MWD sensors
- Standard MWD gamma and inclination sensors are still used
- AAPL radial gamma ray
- Azimuthal gamma ray option for geosteering. Up and down gamma ray data is collected and transmitted in real-time while rotating.

ADVANTAGES

- Gamma and inclination closer to the bit
- Inclination trend can be monitored while drilling
- Faster indication of BHA reaction during slide
- No correction algorithm needed unlike bit box sensors

TECHNICAL SPECIFICATIONS

Tool Length	38.5 in (97.79 cm)	
Gamma Range	0 – 1,000 cnts/sec	
Sensor Array	Inclination: Tri axial accelerometer assembly	Gamma options: Radial or Azimuthally Configured Scintillation Crystal
Temperature Rating	302°F (150°C)	
Pressure Rating	20,000 psi (137,900 kPa) (30,000 psi available)	
Sensor Accuracy	Inclination: $\pm 0.15^\circ$ all angles	
Configuration Options	Radial & Azimuthal	
Azimuthal Bins	2	

Specifications are subject to change without notice.