

SENSOR SPECIFICATIONS

Table 1: Directional Sensor Specifications

Parameter	Range & Accuracy	Repeatability	Resolution	Update Rate	Data Type
Azimuth	0° - 360° ± 0.5°	± 0.5°	0.1°	Average survey transmission time is 60 seconds	Computed & Raw sensor data
Inclination	0° - 180° ± 0.1°	± 0.05°	0.1°	Average survey transmission time is 60 seconds	Computed & Raw sensor data
Temperature	0° - 200° ± 1.0°	± 1.0°	0.1°	Every Survey ¹	Computed & Raw sensor data
Local Magnetic Field	0 - 100mT ± 0.075mT	± 0.075mT	0.01mT	Every Survey	Computed & Raw sensor data
Magnetic Dip	-90° - +90°	Every survey	Computed		
Gravity Tool Face (3 digit, 12 bit resolution)	0° - 360° ± 0.5°	± 0.5°	0.1°	Update average is 30 seconds.	Computed only
Gravity Tool Face (2 digit, 8 bit resolution)	0° - 360° ± 1.0°	± 1.0°	0.1°	Update average is 25 seconds	Computed only
Magnetic Tool Face (2 digit, 8 bit resolution)	0° - 360° ± 1.0°	± 1.0°	0.1°	Standard update average is 30 seconds.	Computed only
Azimuth of Tool Face (below 3° Inclination)	0° - 360° ± 1.0°	± 1.0°	0.1°	As above	Computed only

¹ Customer Selectable

Table 2: Gamma Ray Tool Specifications

Parameter	Range & Accuracy	Resolution	Vertical Resolution	Update Rate	Update Resolution
Gamma Real Time	± 1.5% over output range Range in DC size:	1 equivalent API unit	6" (15 cm)	Avg. 38 seconds	~0.5' @ 50'/hr [15cm @ 15m/hr] ~1.0' @ 100'/hr [30cm @ 30m/hr] ~1.5' @ 150'/hr [45cm @ 46m/hr]
Gamma Memory Standard Tool	3.5" - 0 to 268 AAPI 4.75" - 0 to 371 AAPI 6.75" - 0 to 583 AAPI	1 equivalent API unit	6" (15 cm)	16 seconds	~0.2' @ 50'/hr [15cm @ 15m/hr] ~0.4' @ 100'/hr [30cm @ 30m/hr] ~0.6' @ 150'/hr [45cm @ 46m/hr]
Gamma High Memory	8" - 0 to 822 AAPI 9.5" - 0 to 1,160 AAPI	1 equivalent API unit	6" (15 cm)	8 seconds	~0.1' @ 50'/hr [15cm @ 15m/hr] ~0.2' @ 100'/hr [30cm @ 30m/hr] ~0.3' @ 150'/hr [45cm @ 46m/hr]