

PRODUCT SPEC SHEET

# SCI - GUIDE™ Azimuthal Gamma and Inclination

Sci-Guide provides azimuthal gamma ray and inclination measurements close to the bit. It is an excellent tool used in Geosteering applications to stay within the "sweet spot" of the reservoir. On the Bottom Hole Assembly (BHA), Sci-Guide is extended and placed just above the motor giving the client enough time to quickly react to formation changes. Sci-Guide can be run with any of SDI's MWD and LWD systems in all configurations.

## DELIVERING THE ULTIMATE VALUE

- Maintains maximum reservoir contact by using azimuthal gamma ray and continuous inclination measurements for geosteering
- Eases completions, by delivering a smoother wellbore using precision inclination measurement which can be positioned 20 to 25 ft (6 to 8m) closer to the bit than standard MWD survey tool
- Delivers overall increased ROP by using the azimuthal gamma ray and inclination measurements to keep the bit within zone of interest in the reservoir
- Casing point selection
- Helps with early detection of coring points



## FEATURES

- AAPI azimuthal gamma ray measurements
- Precision inclination measurements
- Sci-Guide is positioned directly above the motor- giving azimuthal gamma and inclination measurements that are 20 to 25 ft (6 to 8m) closer than standard MWD measurements
- Same Sci-Guide probe can be run in all BHA sizes
- Works seamlessly with our MP & EM MWD and LWD

TECHNICAL SPECIFICATIONS		
GENERAL SPECIFICATIONS		
Collar OD	3.125 in (79.4 mm)	
	3.5 in (88.9 mm)	
	4.75 in (120.7 mm)	
	6.5 in (165.1 mm)	
	6.75 in (171.5 mm)	
	8.0 in (203.2 mm)	
	9.5 in (241.3 mm)	
Probe OD	1.75 in (44.5 mm) diameter	
Probe Length	38.5 in (97.79 cm) long	
Max. Dog Leg Degree per 100 ft O.D	Sliding:	Rotating:
	12° (9.5 in)	5° (9.5 in)
	12° (8 in)	7° (8 in)
	19° (6.75 in)	8° (6.75 in)
	20° (6.5 in)	10° (6.5 in)
	28° (4.75 in)	12° (4.75 in)
	60° (3.5 in)	20° (3.5 in)
65° (3.125 in)	20° (3.125 in)	
Max. Operating Temperature	302°F (150°C)	
Max. Operating Pressure	20,000 psi (137,900 kPa) (30,000 psi available)	
Range of Flow Rates per Tool Size	Tool OD	Gallons/Minute
	3.125 – 3.875 in	50 – 200
	4.75 – 6.5 in	100 – 400
	6.25 – 6.5 in	200 – 600
	5 – 8 in	250 – 1,000
9.5 in	300 – 1,500	
MEASUREMENT SPECIFICATIONS		
Detector Type	NaI Scintillation Crystal	
Inclination Accuracy	Inclination: ± 0.15° all angles	
Gamma Range	0 - 1,000 AAPI	
Azimuthal Gamma Bins	2	

\*\* Specifications are subject to change without notice.

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