

4" Orientation Package

Product Reference: 050-DS400-0000

The Orientation Package incorporates a solid-state tri-axial magnetometer, tri-axial accelerometer and tri-axial angular rate gyro to provide the necessary data required to calculate the direction and inclination of the borehole.

The sensors and electronics are enclosed in a Dewar flask for heat resistance and housed in a beryllium-copper pressure housing. Data is transmitted to surface system via high-speed digital telemetry 20 times per second. The tool is designed to operate with other open-hole tools in a stacked configuration.



SPECIFICATIONS - 4" ORIENTATION PACKAGE

Diameter	4"	10.2 cm	Mechanical:	
Length	52"	1.32 m	Top Connection	10 pin or 17 pin GO type
Weight	106 lb.	48.1 kg	Bottom Connection	10 pin or 17 pin GO type
Operating Voltage	130 VDC			
Operating Current	28 mA. DC			

Limitations:

Maximum Pressure	20,000 psi	137.9 MPa
Maximum Temperature	350°F	176°C

Accuracy:

Angular accuracy	+/- 1.0 degree (typical)
Angular resolution	<0.1 degrees
Angular measurement	
Nonlinearity	+/- 0.23% F.S
Repeatability	0.07 degrees (typical)

RELATED PRODUCTS

- 050-NU275-00BL 2 3/4" In-line Neutron
- 050-GR275-SA01 2 3/4" Gamma Ray
- 050-FE400-0000 4" Dual Induction
- 050-FA300-0000 4" Micro Electric Log Tool
- 050-FA300-1000 4" Litho-density
- 050-FA301-0000 4" Compensated Neutron

Note: Standard configuration noted; other operating voltages. Call for details.

At Probe, we design, manufacture and service specialized modular downhole tools and systems. Our tools are used in formation evaluation, well integrity assessment and well productivity determination across the global energy industry.