



Directional Electronics Module

A rugged and field proven Directional Sensor with self-contained K-Table and independent power control for magnetometers and accelerometers.

OPERATING ENVIRONMENT

| | |
|---------------------------|--|
| Temperature Range | <175 C/ 347 F |
| Maximum Working Pressure | <20,000 psi |
| Pressure Drop Across Tool | Approx. 400 psi |
| Maximum LCM Tolerance | 40 - 50 lb/ bbl evenly mixed, any size |
| Maximum Sand Content | 0.5% |
| Surface Mud Screen | Recommended |

DATA SPECIFICATIONS

| PARAMETER | DATA RANGE | RESOLUTION | ACCURANCY |
|--------------------------|--------------------|--------------|-----------------|
| Inclination | 0-180 deg. | 0.1 deg. | ± 0.1 deg. |
| Azimuth | 0-360 deg. | 1.0 deg. | ± 0.25 deg. |
| Magnetic Toolface | 0-360 deg. | 1.0 deg. | ± 0.5 deg. |
| Gravity Toolface | 0-360 deg. | 1.0 deg. | ± 0.5 deg. |
| Probe Temperature Sensor | Internal | | |
| Total Magnetic Field | 0 - 100 μ T | 0.01 μ T | ± 0.075 μ T |
| Total Gravity Field | 0 - 1000 g | 0.0001 g | ± 0.001 g |
| Dip | Minus 90 - 90 deg. | 0.1 deg. | 0.15 deg. |

PROBE DIMENSIONS

| | |
|--------|------------------------|
| O.D. | 1.36" Pressure Barrels |
| Length | 29 ft |
| Weight | 150 lb |