

LHE1711 Directional Sensor

■ Product Introduction

LHE1711 Directional Sensor includes a tri-axial fluxgate sensor and a tri-axial quartz accelerometer, which can accurately measure inclination, azimuth, high side tool face, temperature, etc., while outputting gravity component and magnetic component along x- , y- , and z- axes. Applicable to MWD/LWD systems.

■ Product Features

- Built-in universal temperature compensation parameters
- Selectable communication interface SPI 3.5V, RS485 3.5V
- High stability, low cost, low power consumption
- Self-development and customizable

■ Product Application

- Compatible with MWD system
- Compatible with various inclination measurement systems

■ Product Parameters

- | | |
|---|--|
| • Size | Φ32mm×437mm / Φ27mm×451mm
(Φ1.25"x1.4ft / Φ1.06"x1.5ft) |
| • Temperature | Up to 175°C / 347°F |
| • Inclination | 0 to 180° ±0.1° |
| • Azimuth | 0 to 360° ±1.0° (INC>5°) |
| • Tool face | 0 to 360° ±0.5° |
| • Operating current | 60mA@28V |
| • Operating voltage | +22 to +38V |
| • Connector | MDM15P / 21s |
| • Resistance to shock / Resistance to vibration | 20grms |

