LPT-130

Hall Effect Probe

Standard Sensitivity without temperature compensation
(Max. calibrated field 2.2T or 22000 Gauss)

High Accuracy: ±0.03% max. error at 25°C*
Low thermal drift at -60ppm/°C max.*
Low Zero Drift of ±0.12G/°C max. *

*Contribution of probe only

Specifications

The LPT-130 Hall Effect Probe is most suitable to be use with a DTM-133 Digital Teslameter.
Probe is calibrated up to 2.2 Tesla, bipolar. Transverse orientation, reads (+) when field vector enters the top epoxy surface.

Accuracy at 25°C:

±0.03% of reading + 0.03% of full scale with DTM-133

Operating Range:

4- Range Operation.
0.3, 0.6, 1.2, 3.0 Tesla Full Scale
3, 6, 12, 30 Kilo Gauss Full Scale

Temperature Stability:

Calibration: -80ppm of reading/°C max.
- 3ppm/°C of reading per meter of probe cable

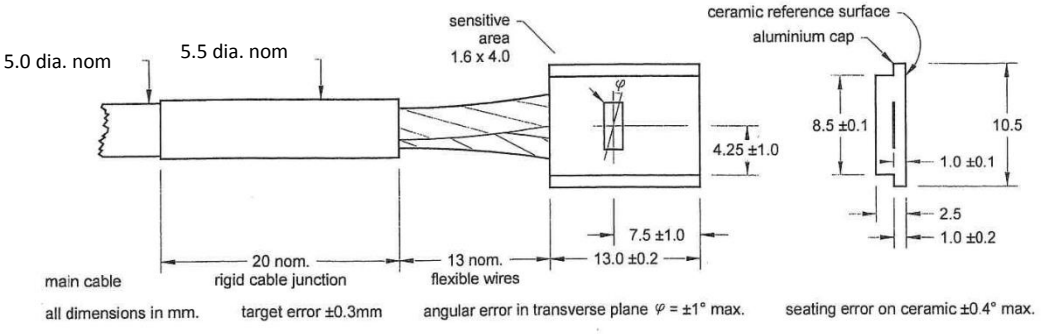
Zero Drift: ±(12μT + 0.0015% of full scale)/°C max. with DTM-133
±(12μT + 0.0003% of full scale)/°C max. with DTM-150

Temperature Range:

0 to 50°C operating to spec, -20 to +60°C max.

Dimensions:

Probe Head Size: 13 x 10.5 x 2.5 mm Sensitive Area: 4 x 1.6 mm
Unshielded part of cable at probe head: Ø5.0 ±0.2 mm, 300 mm nominal length
Shielded Cable: Ø 7.2 ±0.2 mm



ORDER CODE:

LPT-130-2S for probe with basic 2 meters shielded cable.
Special probe cable lengths may be ordered up to 30 meters.
For single range probes, add range suffix -03, -06, -12, -30
e.g. LPT-130-03-2S

Probe Accessories:
LPT 130/230 Transverse Probe Holder – Part No. 17000049
LPT 130/230 Axial Probe Holder – Part No. 17000091

Resolution using DTM-133 Digital Teslameter:

TABLE 1 - DC Mode with Digital Filtering ON

Range	Display resolution	
	Gauss	Tesla
0.3	0.5	0.00005
0.6	1	0.0001
1.2	2	0.0002
3.0	5	0.0005

Group3 reserves the right to change the specifications at any time without notice.