3DT-132

3-Axis Hall Effect Probe

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

High Accuracy: ±0.03% max. error at 25°C*
Low thermal drift at -120ppm/°C max.*
Low Zero Drift of ±0.4G/°C max. *

*Contribution of probe only

Specifications

The 3DT-132 Hall Effect Probe is designed for use with a DTM-333, 3-Channel, Digital Teslameter but may also be use with 3 units of DTM-133 (single channel 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

ORDER CODE:
3DT-132-10S for probe with basic 10 meters shielded cable.
Special probe cable lengths may be ordered up to 30 meters.
Probe has built-in probe holder.
See below dimensions for details.

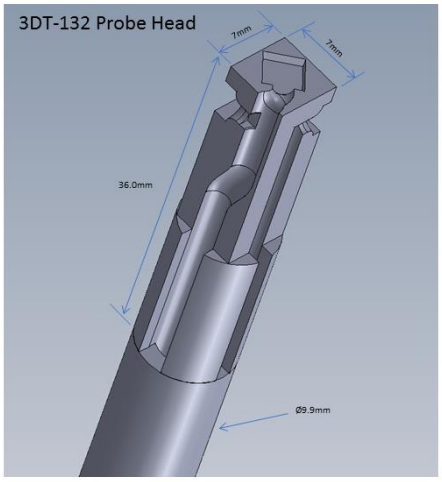
Temperature Stability:

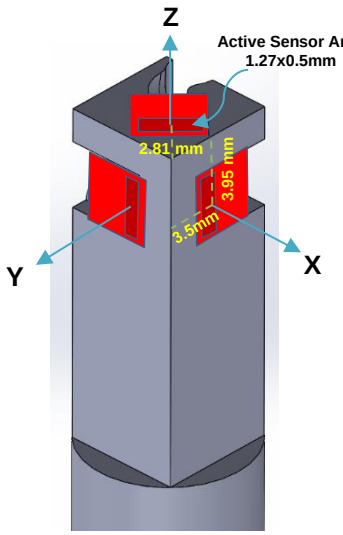
Calibration: -140ppm of reading/°C max.
- 3ppm/°C of reading per meter of probe cable
Zero Drift: ±(40μT + 0.0015% of full scale)/°C max. with DTM-333

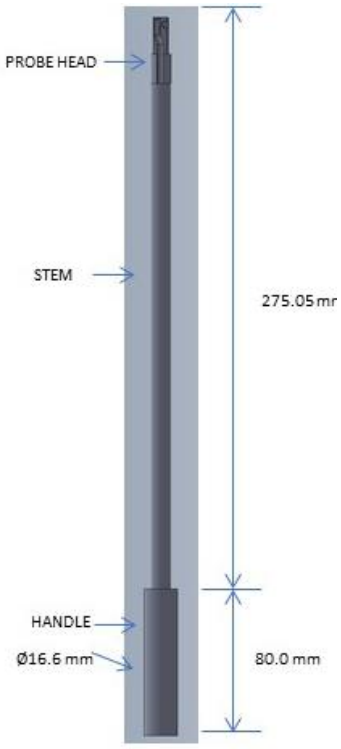
Temperature Range:

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

Dimensions:







Resolution using DTM-333 Digital Teslameter:

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