

3DT-132

3-Axis Hall Effect Probe

Standard Sensitivity without temperature compensation

High Accuracy: $\pm 0.03\%$ max. error at 25°C*

Low thermal drift at -120ppm/°C max.*

Low Zero Drift of $\pm 0.4\text{G}/^\circ\text{C}$ max. *

Calibration tables at 0, 25 and 50°C supplied

*Contribution of probe only

Specifications

The 3DT-132 Hall Effect Probe is design to be use with a DTM-333 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:

$\pm 0.03\%$ 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.

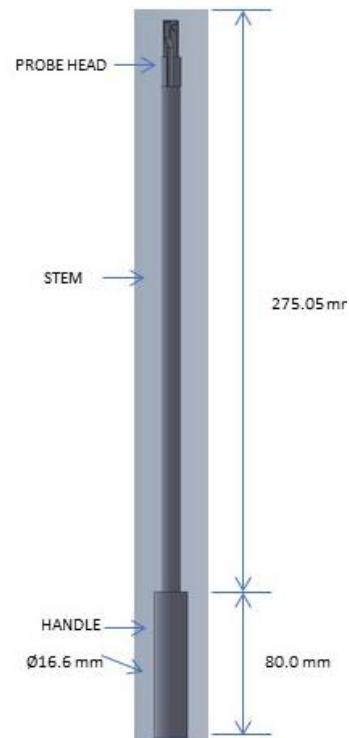
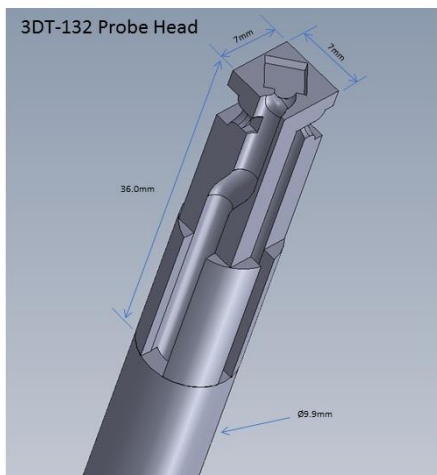
- 3ppm/°C of reading per meter of probe cable

Zero Drift: $\pm(40\mu\text{T} + 0.0015\%$ 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		Serial Output Resolution	
	Gauss	Tesla	Gauss	Tesla
0.3	0.1	0.00005	0.01	0.00005
0.6	1	0.0001	0.02	0.0001
1.2	2	0.0002	0.04	0.0002
3.0	1	0.0005	0.1	0.0005