

# MPT-132

## Hall Effect Probe

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

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.\*

\*Contribution of probe only



## Specifications

The MPT-132 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:

$\pm 0.03\%$  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

### 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-133

### Temperature Range:

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

### ORDER CODE:

MPT-132-2S 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. MPT-132-03-2S

### Probe Accessories:

MPT Transverse Probe Holder – Part No. 17000081  
MPT Axial Probe Holder – Part No. 17000100

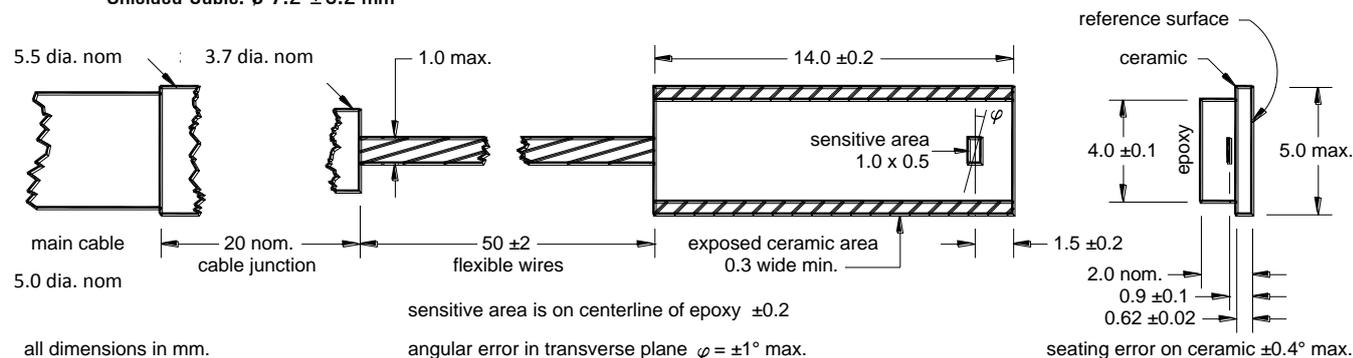
## Dimensions:

Probe Head Size: 14 x 5 x 2 mm

Sensitive Area: 1 x 0.5 mm

Unshielded part of cable at probe head:  $\varnothing 5.0 \pm 0.2\text{mm}$ , 300 mm nominal length

Shielded Cable:  $\varnothing 7.2 \pm 0.2\text{mm}$



## Resolution using DTM-133 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