

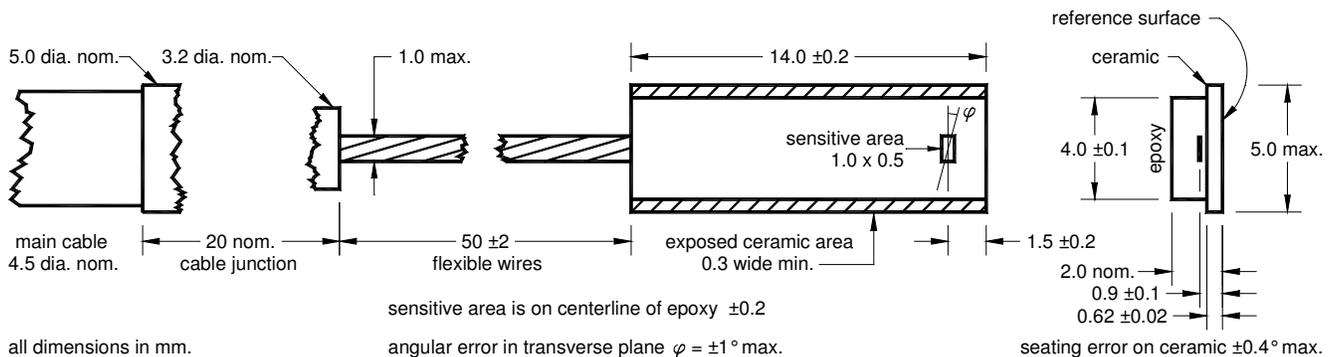
MINIATURE HIGH SENSITIVITY HALL PROBE

- Very small sensitive area, small physical size.
- Ten times the sensitivity of MPT-132.
- High accuracy: $\pm 0.03\%$ max. error at 25°C*.
- Low thermal drift: -800ppm/°C max*.
- Low zero drift: ± 0.12 gauss/°C max*.
- Calibration tables at 0, 25 and 50°C supplied with each probe.

*contribution of probe only.

Specifications of system – MPT-230 with DTM-133 and DTM-150 teslameters:

Orientation	Transverse, reads positive when field vector enters top epoxy surface																														
Field ranges	0.03 0.06 0.12 0.3 tesla full-scale 0.3 0.6 1.2 3.0 kilogauss full scale with polarity indication																														
Accuracy at 25°C	$\pm(0.03\%$ of reading $+0.03\%$ of full scale) max. with DTM-133 $\pm(0.03\%$ of reading $+0.006\%$ of full scale) max. with DTM-150																														
Resolution	<table border="1"> <thead> <tr> <th>range</th> <th colspan="2">DTM-133 resolution</th> <th colspan="2">DTM-150 resolution</th> </tr> <tr> <td></td> <th>gauss</th> <th>tesla</th> <th>gauss</th> <th>tesla</th> </tr> </thead> <tbody> <tr> <td>0.03 tesla</td> <td>0.05</td> <td>0.000005</td> <td>0.001</td> <td>0.0000001</td> </tr> <tr> <td>0.06 tesla</td> <td>0.1</td> <td>0.00001</td> <td>0.002</td> <td>0.0000002</td> </tr> <tr> <td>0.12 tesla</td> <td>0.2</td> <td>0.00002</td> <td>0.004</td> <td>0.0000004</td> </tr> <tr> <td>0.3 tesla</td> <td>0.5</td> <td>0.00005</td> <td>0.01</td> <td>0.000001</td> </tr> </tbody> </table>	range	DTM-133 resolution		DTM-150 resolution			gauss	tesla	gauss	tesla	0.03 tesla	0.05	0.000005	0.001	0.0000001	0.06 tesla	0.1	0.00001	0.002	0.0000002	0.12 tesla	0.2	0.00002	0.004	0.0000004	0.3 tesla	0.5	0.00005	0.01	0.000001
range	DTM-133 resolution		DTM-150 resolution																												
	gauss	tesla	gauss	tesla																											
0.03 tesla	0.05	0.000005	0.001	0.0000001																											
0.06 tesla	0.1	0.00001	0.002	0.0000002																											
0.12 tesla	0.2	0.00002	0.004	0.0000004																											
0.3 tesla	0.5	0.00005	0.01	0.000001																											
Temperature range	0 to 50°C operating to spec, -20 to +60°C max.																														
Temperature stability	calibration: -820ppm of reading/°C max. -3ppm/°C of reading per meter of probe cable zero drift: $\pm(12\mu\text{T} + 0.0015\%$ of full-scale)/°C max. with DTM-133 $\pm(12\mu\text{T} + 0.0003\%$ of full-scale)/°C max. with DTM-150																														
Probe dimensions	overall size: 14 x 5 x 2 mm sensitive area: 1 x 0.5mm unshielded part of cable at probe head: 4.5mm diam. 300mm nom. length shielded cable: 6.5mm diam.																														
Order code	MPT-230-2s for probe with basic 2 meter shielded cable length. Special probe cable lengths may be ordered up to 30 meters max. Single-range probes: add range suffix -03 -06 -12 -30, e.g. MPT-230-03-2s.																														



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