

# HALL PROBE AND TESLAMETER MATRIX



| PROBE MODEL   | Probe Head Size | Cable Length                             | TESLAMETER MODEL | NO. OF AXIS | CATEGORY     | CALIBRATED FIELD RANGE | ACCURACY                                                              | MAX. RESOLUTION               | TEMP. COMPENSATION                         | Teslameter Control Software / User Interface | CHOOSE DTM COMMS               | CHOOSE DTM MOUNTING         |
|---------------|-----------------|------------------------------------------|------------------|-------------|--------------|------------------------|-----------------------------------------------------------------------|-------------------------------|--------------------------------------------|----------------------------------------------|--------------------------------|-----------------------------|
| MPT-141       | 14 x 5 x 2mm    | 2 meter standard, custom up to 30 meters | DTM-151          | Single      | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 100 PPM, 0.01% at 25°C                                                | 0.1µT @ 0.3T, 1µT @ 2.2T      | 0°C to 50°C                                | Labview / Python                             | Serial/Fiber Optic or GPIB     | Desktop or Rack Panel Mount |
| MPT-141-HF    | 14 x 5 x 2mm    | 5 meter standard, custom up to 30 meters |                  |             | HIGH FIELD   | HF from 2.3 to ±13T    | 100 PPM, 0.01% at 25°C up to ±2.2T<br>500ppm, 0.05% @25°C above ±2.2T | 10µT up to 8T, 0.1mT above 8T | 0°C to 50°C up to ±2.2T , 25°C above ±2.2T |                                              |                                |                             |
| MPT-231       | 14 x 5 x 2mm    | 2 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.01µT @ 0.03T, 0.1µT @ 0.3T  | 0°C to 50°C                                |                                              |                                |                             |
| MPT-132       | 14 x 5 x 2mm    | 2 meter standard, custom up to 30 meters | DTM-133          |             | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 300PPM, 0.03% at 25°C                                                 | 0.05mT @2.2T                  | 25°C                                       | None                                         |                                |                             |
| MPT-230       | 14 x 5 x 2mm    | 2 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.05mT @0.3T                  | 25°C                                       |                                              |                                |                             |
| LPT-141       | 14 x 14 x 2.5mm | 2 meter standard, custom up to 30 meters | DTM-151          | Single      | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 100 PPM, 0.01% at 25°C                                                | 0.1µT @ 0.3T, 1µT @ 2.2T      | 0°C to 50°C                                | Labview / Python                             | Serial/Fiber Optic or GPIB     | Desktop or Rack Panel Mount |
| LPT-141-HF    | 15 x 14 x 2.5mm | 5 meter standard, custom up to 30 meters |                  |             | HIGH FIELD   | HF from 2.3 to ±13T    | 100 PPM, 0.01% at 25°C up to ±2.2T<br>500ppm, 0.05% @25°C above ±2.2T | 10µT up to 8T, 0.1mT above 8T | 0°C to 50°C up to ±2.2T , 25°C above ±2.2T |                                              |                                |                             |
| LPT-231       | 16 x 14 x 2.5mm | 2 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.01µT @ 0.03T, 0.1µT @ 0.3T  | 0°C to 50°C                                |                                              |                                |                             |
| LPT-130       | 17 x 14 x 2.5mm | 2 meter standard, custom up to 30 meters | DTM-133          |             | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 300PPM, 0.03% at 25°C                                                 | 0.05mT @2.2T                  | 25°C                                       | None                                         |                                |                             |
| LPT-230       | 18 x 14 x 2.5mm | 2 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.05mT @0.3T                  | 25°C                                       |                                              |                                |                             |
| 3DT-141       | Ø 10.0mm        | 5 meter standard, custom up to 30 meters | DTM-351          | Three       | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 100 PPM, 0.01% at 25°C                                                | 0.1µT @ 0.3T, 1µT @ 2.2T      | 0°C to 50°C                                | Labview / Python                             | USB or GPIB                    | Desktop or Rack Panel Mount |
| 3DT-141-HF    | Ø 10.0mm        | 5 meter standard, custom up to 30 meters |                  |             | HIGH FIELD   | HF from 2.3 to ±13T    | 100 PPM, 0.01% at 25°C up to ±2.2T<br>500ppm, 0.05% @25°C above ±2.2T | 10µT up to 8T, 0.1mT above 8T | 0°C to 50°C up to ±2.2T , 25°C above ±2.2T |                                              |                                |                             |
| 3DT-231       | 25mm x 25mm     | 5 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.01µT @ 0.03T, 0.1µT @ 0.3T  | 0°C to 50°C                                |                                              |                                |                             |
| 3DT-132       | Ø 10.0mm        | 5 meter standard, custom up to 30 meters | DTM-350          |             | MEDIUM FIELD | 0.3, 0.6, 1.2, 2.2T    | 300PPM, 0.03% at 25°C                                                 | 0.1µT @ 0.3T, 1µT @ 2.2T      | 25°C                                       | None                                         |                                |                             |
| 3DT-230       | 25mm x 25mm     | 5 meter standard, custom up to 30 meters |                  |             | LOW FIELD    | 0.03, 0.06, 0.12, 0.3T | 300PPM, 0.03% at 25°C                                                 | 0.01µT @ 0.03T, 0.1µT @ 0.3T  | 25°C                                       |                                              |                                |                             |
| HPCS-xT-yV-Mz | 14 x 5 x 2mm    | 2 meter standard, custom up to 30 meters | BUILT-IN         | Single      | MEDIUM FIELD | ±2.0T                  | 200PPM, 0.02% at 25°C                                                 | 1mV                           | 10°C to 50°C                               | None                                         | Analog Output via D9 Connector | DIN Rail                    |
| HHP-101       | 5mm x 2mm       | 2 meter standard, custom up to 30 meters | HTM-121          | Single      | MEDIUM FIELD | ±2.2T                  | 300PPM, 0.03% at 25°C                                                 | 0.05mT @0.3T                  | 25°C                                       | Labview / Python                             | USB                            | Handheld/Portable           |