

Three-Axis Hall Magnetometer THM1176 (Very) Preliminary Data Sheet

Basic Features

- Ranges: 0.1, 0.5, 3, 20T
- Auto-ranging or manual
- Precision: $\pm 1\%$
- Temperature-compensated
- Low offset / offset drift
- Measurement rate: up to 2000/sec
- Interface: USBTMC, SCPI
- User Interface:
 - Hi-res color touch screen
 - Numeric, graphic, or vector
 - Hold, Max, Zero
- Other: PDA apps, WiFi, Bluetooth, SD/MMC slot



Optional Configurations

- Direct connection to PC:
 - USBTMC/488.2 class driver (e.g. NI-VISA from ni.com)
 - LabVIEW UIF / API
 - Perfect for mapping
- Ruggedized version:
 - Water-, shock-, sand-, dust-, vibration-, altitude-, heat- and cold-proof
 - Rubberized case
 - Backlit controls



Small Probe, Big Deal

- Probe:
114 x 16 x 10 mm³
- Without cap:
68 x 8 x 4 mm³
(screw hole for fixed installation)
- Sensor IC:
16.5 x 4 x 2 mm³
- Active volume:
0.15 x 0.15 x 0.01 mm³

