

HTM-121

Hand-Held Digital Teslameter
with **HHP-101 Hall Effect Probe**



Hand -Held Display



LabVIEW VI Display

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Specifications

Teslameter

Model **HTM-121**

Material:	Anodised 6061 aluminium shell
Keypad:	Tactile
Display:	OLED, with large field reading, temperature reading and battery charging indicator
Operating Unit:	Gauss or Tesla
Temperature:	°C or °F
Dimensions:	207 x 103 x 60mm
Weight (Net):	0.8Kg, 1.5Kg (with carry case)

Probe

Model **HHP-101**

Material:	Solid-state GaAs-material sensor
Active Area:	0.2 x 0.2mm
Cross- section:	131 long x 6.2 wide x 1.1mm thick
Total Length:	250mm
Sensor Position:	3.0mm from center of active area to end of probe
Cable length:	2 meters (standard)

Output:

Basic Accuracy:	$\pm 0.5\%$ of full scale or better (combined contribution of probe and teslameter)
Measurement Rate:	60 Readings per second

Operating Conditions:

Magnetic Field:	bipolar field range, calibrated up to $\pm 2.2T$
Temperature:	-5°C to 50°C

Battery Life:

Battery Life of approx. 20 hours at full charge (Battery discharge rate approx. 5% per hour if continuously ON)

Features:

- Independently Calibrated Teslameter & Hall Probe **up to $\pm 2.2T$**
- Data logging via LabView VI
- HHP-101 Probes can be interchangeable to any HTM-121 Teslameter
- Calibration factors of the probe is stored in an SPI EEPROM inside the probe handle.

Power Input Requirement:

- 5VDC, Rechargeable 2 x AA Ni-MH batteries via USB 2.0 port providing a capacity of 2500mAh

Supplied Accessories:

- USB cable for charging & data communication
- LabView Runtime Version and VI Supplied
- HHP-101 Hall Effect Probe

Storage Case Options:

- Hardshell or Softshell Carry Case