

**Group3**

# HTM-121

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



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# Specifications

<b>Teslameter</b>	Model <b>HTM-121</b>
Material:	3D- Printed Nylon
Keypad:	Tactile
Display:	OLED, with large field reading, temperature reading and battery charge 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)

<b>Probe</b>	Model <b>HHP-101</b>
Material:	Solid-state GaAs-material sensor
Active Area:	0.2 x 0.2mm
Cross- section:	131 x 6.2 x 1.1mm
Total Length:	250mm
Sensor Position:	3.0mm from center of active area to end of probe
Cable length:	2 meters (standard)

## Output:

Basic Accuracy:	<b>± 1.0 % of full scale</b> (combined contribution of probe and teslameter)
Measurement Rate:	60 Readings per second

## Operating Conditions:

Magnetic Field:	bipolar field range, <b>calibrated up to ±2.2T</b>
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 ±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
- Hardshell Carry Case