

TM5120B Handheld Tesla Meter



1. Summary

The **TM5120B** is a portable and multifunctional magnetic field measuring instrument, equipped with a Hall sensor with high sensitivity and low drift. It is applied for measuring the flux density of DC constant magnetic field and AC magnetic field.

2. Features

- Range: 2mT ~ 3000 mT.
- Accuracy: class 1 or 2.
- Switching AC or DC mode
- Unit switch: G, mT, A/m.
- N/S polarity display.
- Relative measurement mode.
- Max. hold function.
- Alarm of exceeding the upper / lower limit.
- Supporting backlight.
- Battery remaining power display.
- Axial, radial probe are optional.
- USB interface.


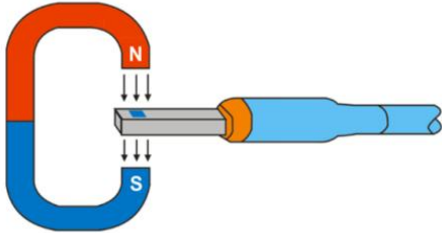


- Optional magnetic shielding cavity.

3. Application



4. Probe Selection

☆ Optional Radial or Axial Hall Probe

<p>Radial Hall probe</p>		
<p>Axial Hall probe</p>		

• Standard configuration is **Radial Hall probe**, also can choose **Axial Hall probe**.


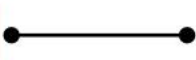
5. Specifications

Range		30 mT	300 mT	3000 mT ^①
Resolution		1 μ T	10 μ T	0.1 mT
Measuring Range		2mT~3000mT		
Accuracy	Class 1	DC: $\pm 1\%$, AC: $\pm 5\%$		
	Class 2	DC: $\pm 2\%$, AC: $\pm 5\%$		
Frequency Range		DC, 40Hz~500Hz		
Temperature Coefficient		$\pm 0.1\%$ / K		
Zero Drift		± 0.1 mT/h		
Display Digit		5		
Remark		① Calibration only covers 2.5T		

6. General Specification

Power Supply	3 AA batteries or USB charging
Temperature Performance	Operating temperature: 0~50°C; Storage temperature: -20°C~70°C
Humidity Performance	Operating humidity: 40%~80% R·H, non-condensing Storage humidity: <95% R·H, non-condensing
Weight	About 350 g
Interface	Hall probe input interface, USB interface
Overall Dimensions	90mm(W) ×40 mm(D) × 165 mm(H)



7. Ordering Information

TM5120B -  

Accuracy Class	
Code	Note
1	Class 1
2	Class 2

e.g. : **TM5120B-2** represents Class 2.

8. Probe Selection

Serial Number	Picture	Name	Specification	Quantity	Remark
1		TM1100 Hall Probe	Radial	1	Standard Accessory
2		TM1110 Hall Probe	Axial	1	Optional

Note: The users should indicate the probe in the order contract.