

TM5100 Hand-held Tesla-Meter



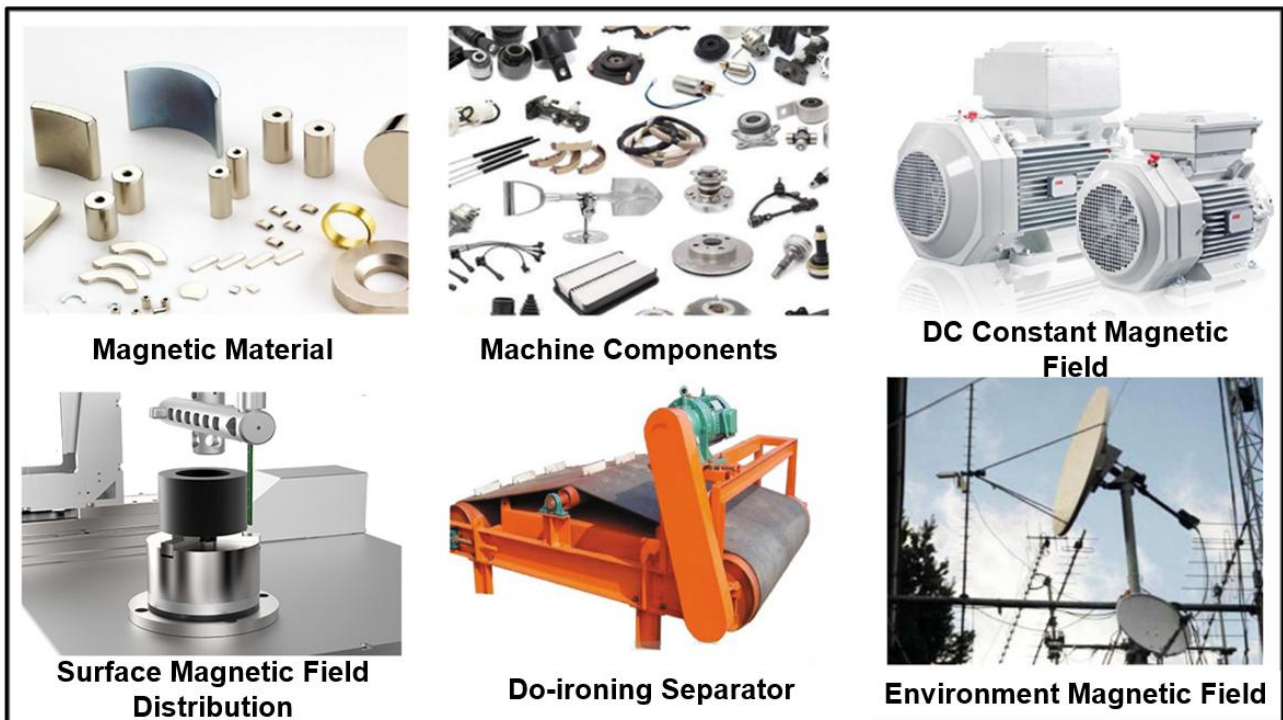
1. Summary

The **TM5100** is a portable magnetic field measuring instrument, equipped with a Hall sensor with high sensitivity and low drift, which is suitable for measuring the flux density of DC constant magnetic field.

2. Features

- Range: 2mT ~ 3000 mT
- Accuracy: class 1, 2 or 5.
- Unit switch: G, mT, A/m.
- One-key reset function.
- Max. hold function.
- N/S polarity display.
- Supporting backlight.
- Battery remaining power display.
- Axial, radial probe are optional.
- USB interface.
- Magnetic shielding cavity are optional.

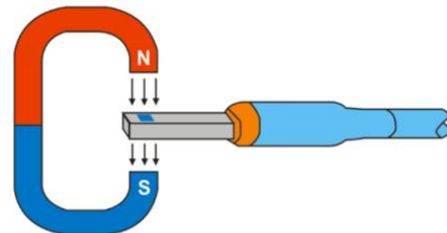
3. Application



4. Probe Selection

☆ **Optional Radial or Axial Hall Probe**

**Radial
Hall
probe**



**Axial
Hall
probe**



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


5. Specifications

Range		30 mT	300 mT	3000 mT
Resolution		1 μ T	10 μ T	100 μ T
Measuring Range		2 mT~3000mT ^①		
Accuracy	Class 1	$\pm 1.0\%$		
	Class 2	$\pm 2.0\%$		
	Class 5	$\pm 2.0\%$ (2 mT...1000 mT), $\pm 5.0\%$ (1000 mT...3000 mT)		
Temperature Coefficient		$\pm 0.1\%$ / K		
Zero Drift		± 0.5 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

TM5100 -  —————

Accuracy Class	
Code	Note
1	Class 1
2	Class 2
5	Class 5

e.g. : *TM5100-2* 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.