

TM5100 Handheld Gauss Meter



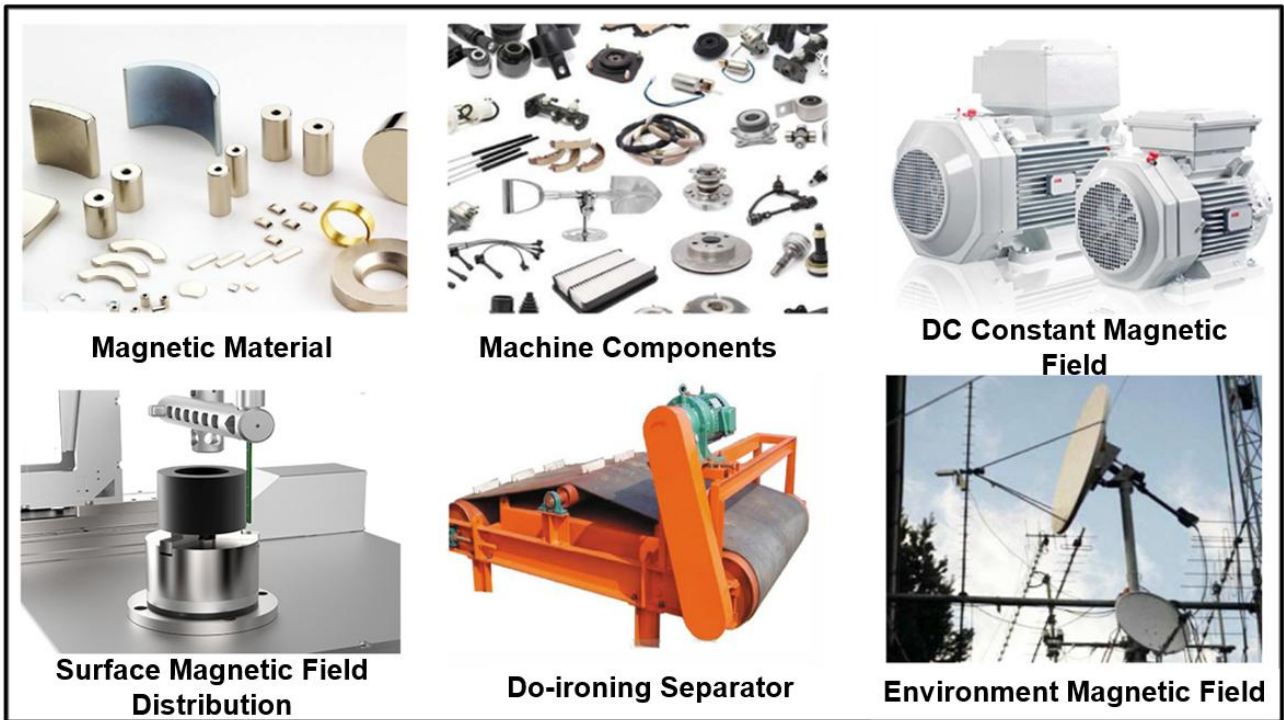
1. Summary

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.

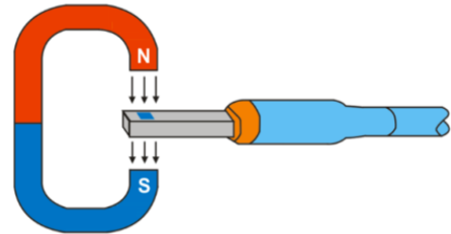
3. Application



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		
Uncertainty (k=2)	Class 1	1.0%		
	Class 2	2.0%		
	Class 5	2.0% (2 mT...1000 mT), 5.0% (1000 mT...3000 mT)		
Temperature Coefficient		$\pm 0.1\% / K$		
Zero Drift		$\pm 0.5 \text{ mT/h}$		
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°C~45°C; Storage temperature: -20°C~70°C
Humidity Performance	Operating humidity: 20%~80% R·H, non-condensing Storage humidity: <85% 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. Accessory List

S/N	Picture	Name	Specification	Qty	Remark
1		TM1100 Hall Probe	Radial / Uniaxial / 1.5 m Lemo socket	1	Standard Accessory
2		Nanfu Battery	AA battery	3	Standard Accessory
3		Small Phillips Screwdriver	Diameter 2mm Rod length about 30mm Total length about 88mm	1	Standard Accessory
4		Packing Box	Paper Box	1	Standard Accessory
5		Green Rubber Shell	Green	1	Standard Accessory

S/N	Picture	Name	Specification	Qty	Remark
1		TM1110 Hall probe	Axial / Uniaxial / 1.5 m Lemo socket	1	Optional

Note: The user should specify the probe type in the order contract, otherwise the "radial Hall probe" will be shipped by default.

If the "axial Hall probe" is specified in the order contract, the "radial Hall probe" will not be provided unless otherwise specified.