

# TM5100 Handheld Tesla Meter



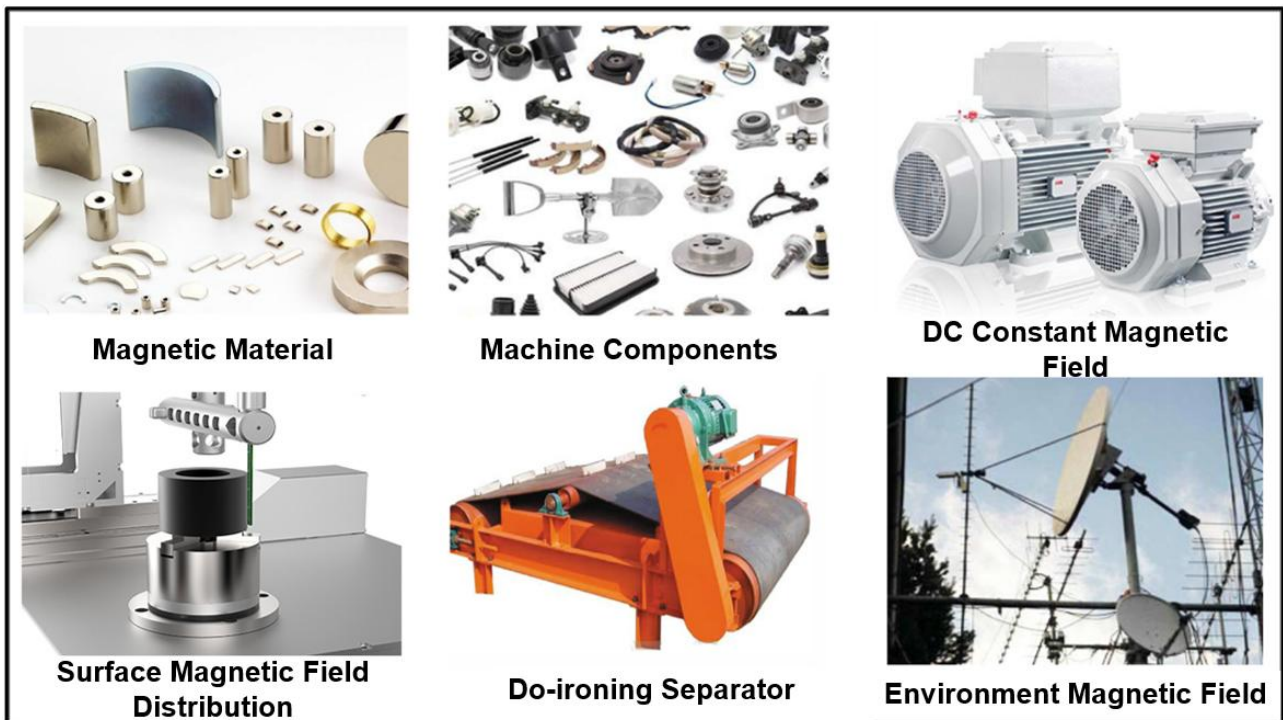
## 1. Summary

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.

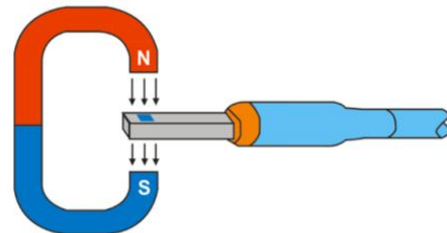
### 3. Application



### 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

<b>Range</b>		30 mT	300 mT	3000 mT
<b>Resolution</b>		1 $\mu$ T	10 $\mu$ T	100 $\mu$ T
<b>Measuring Range</b>		2 mT~3000mT <sup>①</sup>		
<b>Accuracy</b>	<b>Class 1</b>	$\pm 1.0\%$		
	<b>Class 2</b>	$\pm 2.0\%$		
	<b>Class 5</b>	$\pm 2.0\%$ ( 2 mT...1000 mT ), $\pm 5.0\%$ ( 1000 mT...3000 mT )		
<b>Temperature Coefficient</b>		$\pm 0.1\%$ / K		
<b>Zero Drift</b>		$\pm 0.5$ mT/h		
<b>Display Digit</b>		5		
<b>Remark</b>		① Calibration only covers 2.5T		

## 6. General Specification

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



## 7. Ordering Information

**TM5100** -  

Accuracy Class	
Code	Note
<b>1</b>	<b>Class 1</b>
<b>2</b>	<b>Class 2</b>
<b>5</b>	<b>Class 5</b>

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.**