

# TM5340B Handheld Triaxial Tesla Meter



## 1. Summary

The **TM5340B** is a portable, multi-function meter that measures magnetic field, equipped with high sensitivity, low drift triaxial Hall sensor. It is applied for measuring the magnetic density value of DC or AC triaxial magnetic field.

## 2. Features

- Range: 2 mT~3000 mT.
- Accuracy: class 5.
- Measuring XYZ component, vector synthetic value.
- Switching AC or DC mode.
- +/- polarity display.
- Unit switch: mT, G, A/m.
- Relative measurement mode.
- Max. hold function.
- Alarm of exceeding the upper / lower limit.
- Probe temperature compensation.
- Magnetic measurement data storage.
- Lithium battery, remaining power display.
- USB interface.

- Optional magnetic shielded cavity.

### 3. Application



### 4. Specifications

<b>XYZ Range</b>	30 mT	300 mT	3000 mT <sup>①</sup>
<b>R Range</b>	52 mT	520 mT	5200 mT
<b>Resolution</b>	1 $\mu$ T	10 $\mu$ T	0.1 mT
<b>Measuring Range</b>	2 mT~3000 mT		
<b>Accuracy</b>	DC: $\pm(0.5\% + 200 \mu\text{T})$ , AC: $\pm(3\% + 500 \mu\text{T})$		
<b>Frequency Range</b>	DC, 40 Hz~500 Hz		
<b>Temperature Coefficient</b>	$\pm 0.06\% / \text{K}$		
<b>Zero Drift</b>	$\pm 0.1 \text{ mT} / \text{h}$		
<b>Display Digits</b>	5		
<b>Remark</b>	① : Calibration only covers 2.5T		

## 5. General Specifications

<b>Power Supply</b>	4000 mAh lithium battery, USB charging
<b>Temperature Performance</b>	Operating temperature: 0°C~45°C Storage temperature: -20°C~70°C
<b>Humidity Performance</b>	Working humidity: 20%~80% R·H, non-condensing Storage humidity: < 85% R·H, non-condensing
<b>Weight</b>	About 500 g
<b>Interface</b>	Hall probe input interface, USB interface
<b>Dimensions</b>	90 mm(W) × 40 mm(D) × 165 mm(H)