

TM5100A Handheld AC Magnetometer



1. Summary

TM5100A is a portable alternating magnetic field measuring instrument, equipped coil probe, which is suitable for measuring the flux density of AC constant magnetic field, used to calibrate AC magnetic field source, space magnetic field scanning, scientific research. etc.

2. Features

- Measure range: $2\text{mT} \sim 240\text{mT}$.
- Accuracy: class1 / 2.
- One-click unit switch: G, mT, A/m.
- One-key reset function.
- Max. hold function.
- Supporting backlight function.
- Battery remaining power display.
- USB interface.
- Small size, light weight.


3. Specifications

Measuring Range		20 mT	200 mT
Resolution		10 μ T	100 μ T
Range		2 mT~240mT	
Frequency Range		45 Hz~100 Hz	
Accuracy	Class 1	1%	
	Class 2	2%	
Temperature Coefficient		$\pm 0.1\% / K$	
Zero Drift		$\pm 0.1mT/h$	
Display Digit		4	

4. 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
Quality	About 350 g
Communication Interface	Hall probe input interface, <i>USB</i> interface
Overall Dimensions	90mm(W) ×40 mm(D) × 165 mm(H)







5. Ordering Information

TM5100A -  ———— ●

Accuracy Class	
Code	Note
1	Class 1
2	Class 2

e.g. : **TM5100A-2** note for Class 2.

6. Accessories List

Serial Number	Picture	Name	Specification	Quantity	Remark
1		NANFU Batteries	5	3	Standard Accessories
2		Small Phillips Screwdriver	Diameter 2mm, length of rob 30mm,full length 88mm	1	Standard Accessories
3		TM5100 Packaging Box	Paper packing box	1	Standard Accessories
4		TM5100 Cotton	—	1	Standard Accessories
5		TM5100 Rubber Sleeve	Green	1	Standard Accessories
6		TM5100A Coil Probe	—	1	Standard Accessories