

GOYOJO AMST-B

GOYOJO AMST-B Magnetic Pole Identification Pen User Manual

Model: AMST-B

INTRODUCTION

The GOYOJO AMST-B Magnetic Pole Identification Pen is a compact, pen-style tool designed for quickly and accurately identifying the north and south poles of permanent magnets, electromagnets, and coils. Its high sensitivity allows for reliable detection of both weak and strong magnetic fields. The device provides clear visual feedback through red and green LED indicators, making polarity identification straightforward and efficient.

This manual provides essential information for the safe and effective use of your AMST-B Magnetic Pole Identification Pen, including setup, operation, maintenance, and troubleshooting.

KEY FEATURES

- **Quick Pole Identification:** Easily and quickly identifies north and south poles on various magnetic sources.
- **High Sensitivity:** Detects magnetic fields with a sensitivity of $\pm 5\text{mT}$ (50Gs) for accurate readings.
- **Compact and Portable:** Small, lightweight (0.12 lbs) design for easy transport and use in diverse environments.
- **Simple Operation:** Intuitive "test" button and clear red/green LED indicators for user-friendly operation.
- **Wide Temperature Range:** Operates effectively in temperatures from -20°C to 80°C .

WHAT'S IN THE BOX

- AMST-B Magnetic Pole Identification Pen x1
- Instruction Manual x1
- Certificate of Conformity x1



Figure 1: Package contents showing the AMST-B pen, its protective case, and batteries.

SETUP

1. Battery Installation:

The AMST-B pen requires two AAA batteries for operation. Locate the battery compartment cover, typically at the rear of the pen. Slide or unscrew the cover to open. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment. Replace the cover securely.

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TECH SPECIFICATION

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It is a very high sensitivity product in China.



Figure 2: The AMST-B pen with its test button and LED indicators.

2. Initial Check:

After installing batteries, press the "TEST" button. The device should briefly illuminate one of the LED indicators, confirming it has power. If no light appears, check battery installation and charge.

OPERATING INSTRUCTIONS

1. **Power On:** The device powers on when the "TEST" button is pressed. It remains active as long as the button is held down.
2. **Positioning the Pen:** Hold the AMST-B pen with the tip probe facing the magnetic object you wish to test.
3. **Performing the Test:** Press and hold the "TEST" button. Gently bring the tip of the pen close to the surface of the magnet or coil.
4. **Interpreting Results:**
 - If the **RED LED** illuminates, the detected pole is **NORTH**.
 - If the **GREEN LED** illuminates, the detected pole is **SOUTH**.

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The N / s polarity can be distinguished by touching the object with the tip probe



Figure 3: The AMST-B pen ready for use, showing its compact design.

5. **Repeat as Needed:** Move the pen around the magnetic object to identify different poles or to confirm the polarity across the surface.
6. **Power Off:** Release the "TEST" button to power off the device and conserve battery life.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the LED indicators become dim or the device fails to power on. Always use two new AAA batteries of the same type.
- **Storage:** Store the AMST-B pen in its protective case in a cool, dry place away from direct sunlight and strong magnetic fields when not in use. Remove batteries if storing for extended periods to prevent leakage.
- **Avoid Impact:** Protect the device from drops and impacts, especially the sensitive tip probe.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on or LEDs are dim.	Low or dead batteries; incorrect battery installation.	Replace with fresh AAA batteries, ensuring correct polarity.
Inconsistent or no polarity detection.	Weak magnetic field; pen not close enough to the magnet; damaged sensor.	Ensure the pen tip is very close to the magnetic source. Test with a known strong magnet. If problem persists, contact support.
Only one LED (red or green) illuminates.	Testing a single pole; device malfunction.	This is normal if only one pole is present or detected. If testing a complete magnet, try moving the pen to the opposite end. If still only one LED, contact support.

SPECIFICATIONS

Model	AMST-B
Sensitivity	±5mT (50Gs)
Display	Red LED (North Pole), Green LED (South Pole)
Power Source	2 x AAA Batteries
Operating Temperature	-20°C to 80°C (-4°F to 176°F)
Dimensions (L x W x H)	6.14 x 0.95 x 0.78 inches (156 x 24 x 20 mm)
Weight	0.12 lbs (54 g) without batteries
Brand	GOYOJO
UPC	658361247505

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official GOYOJO website. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: GOYOJO

Brand Store: [GOYOJO Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question