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INSIZE 2167-25

INSIZE 2167-25 Electronic Snap Gage User Manual

Model: 2167-25

INTRODUCTION

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your INSIZE 2167-25 Electronic Snap Gage. Please read this manual thoroughly before operating the device to ensure accurate measurements and prolong its lifespan.

PRODUCT OVERVIEW

The INSIZE 2167-25 is an electronic snap gage designed for precise external dimensional measurements. It features a digital display for clear readings and a spring-loaded mechanism for consistent contact pressure.

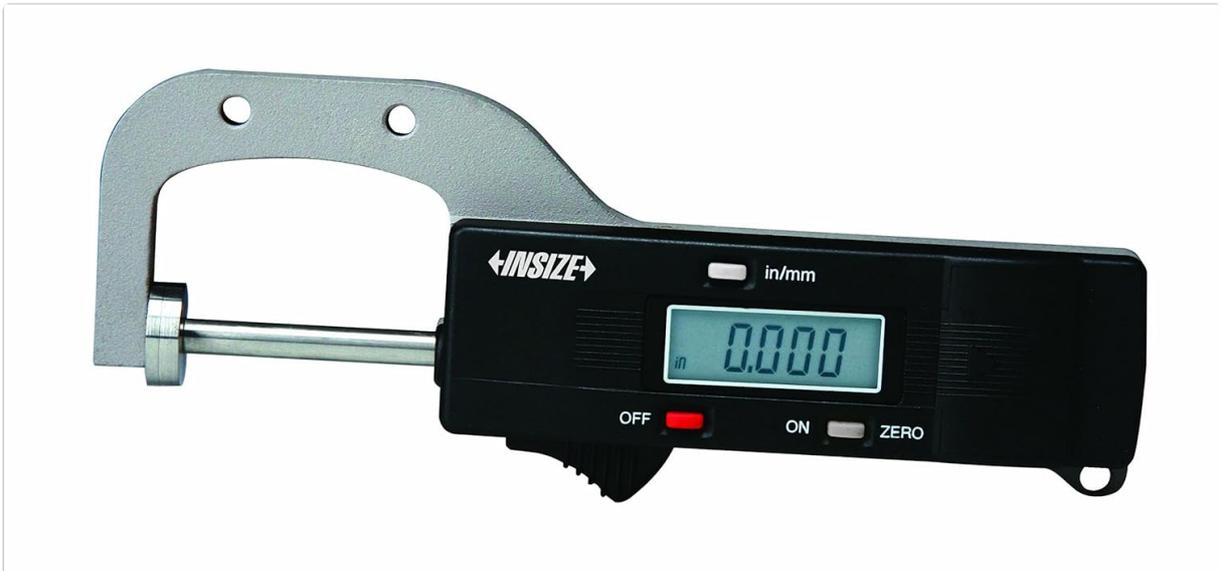


Figure 1: The INSIZE 2167-25 Electronic Snap Gage. This image displays the full device, highlighting its C-shaped frame, the measuring anvils, the digital display, and control buttons for power, unit conversion, and zero setting.

KEY FEATURES

- **Measurement Range:** 0-1 inch / 0-25mm

- **Resolution:** 0.0005 inch / 0.01mm
- **Accuracy:** +/- 0.0005 inch / +/- 0.012mm
- **Mechanism:** Spring snap for consistent measuring force.
- **Digital Display:** Clear electronic readout for easy interpretation.
- **Unit Conversion:** Switch between inches and millimeters.
- **Zero Setting:** Ability to set zero at any point.

SETUP

1. **Unpacking:** Carefully remove the snap gage from its packaging. Inspect for any visible damage.
2. **Battery Installation:** The device typically comes with a battery installed or requires one. If not installed, locate the battery compartment (usually on the back or side of the display unit), open it, and insert the correct battery type (e.g., CR2032) with the correct polarity.
3. **Cleaning:** Before first use, gently wipe the measuring anvils with a clean, lint-free cloth. Ensure no dust or debris is present on the measuring surfaces.
4. **Environmental Conditions:** Operate the snap gage in a stable environment, avoiding extreme temperatures, humidity, or direct sunlight, which can affect accuracy.

OPERATING INSTRUCTIONS

1. **Power On:** Press the **ON** button to turn on the device. The display will illuminate and show a reading.
2. **Unit Selection:** Press the **in/mm** button to switch between inch and millimeter units as required. The selected unit will be indicated on the display.
3. **Zero Setting:**
 - Ensure the measuring anvils are clean and free of debris.
 - Gently close the anvils until they make contact.
 - Press the **ZERO** button. The display should now read 0.000 (or 0.00 in mm). If it does not, repeat the process.
4. **Taking a Measurement:**
 - Open the measuring anvils wider than the object to be measured.
 - Position the object between the anvils.
 - Release the anvils gently so they make firm contact with the object. The spring mechanism ensures consistent measuring force.
 - Read the measurement directly from the digital display.
5. **Power Off:** Press the **OFF** button to turn off the device when not in use to conserve battery life. The device may also have an auto-off feature.

MAINTENANCE

- **Cleaning:** Regularly clean the measuring surfaces and the body of the snap gage with a soft, lint-free cloth. For stubborn dirt, a small amount of isopropyl alcohol can be used, applied to the cloth, not directly to the device.
- **Storage:** Store the snap gage in its protective case (if provided) in a dry, clean environment away from direct sunlight, extreme temperatures, and corrosive substances.

- **Battery Replacement:** When the display becomes dim or erratic, replace the battery promptly. Refer to the "Setup" section for battery installation instructions.
- **Calibration:** For critical applications, periodic calibration by a qualified technician is recommended to ensure continued accuracy.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery; incorrect battery installation.	Replace the battery; ensure correct polarity.
Inaccurate readings.	Dirty measuring surfaces; improper zero setting; environmental factors.	Clean anvils thoroughly; re-zero the device; ensure stable operating conditions.
Buttons are unresponsive.	Low battery; internal malfunction.	Replace battery. If problem persists, contact customer support.

SPECIFICATIONS

- **Model Number:** 2167-25
- **Brand:** INSIZE
- **Measurement Range:** 0-1 inch / 0-25mm
- **Resolution:** 0.0005 inch / 0.01mm
- **Accuracy:** +/- 0.0005 inch / +/- 0.012mm
- **Item Dimensions:** Refer to package dimensions for shipping (7.68 L x 1.69 H x 4.61 W inches).
- **First Available Date:** June 4, 2016

WARRANTY AND SUPPORT

Information regarding specific warranty terms for the INSIZE 2167-25 Electronic Snap Gage is not provided in this document. For warranty details, technical support, or service inquiries, please refer to the official INSIZE website or contact your authorized INSIZE dealer. Keep your purchase receipt as proof of purchase.