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Insize 2866-10

InSize 2866-10 Thickness Gauge with Pointed Tips - Instruction Manual

Brand: Insize | Model: 2866-10

1. PRODUCT OVERVIEW

The InSize 2866-10 Thickness Gauge is a precision instrument designed for accurate measurement of material thickness. It operates on an ultrasonic measuring principle and is controlled by a microprocessor, ensuring quick response and high accuracy. This gauge is built to international standards, offering optimum performance and long-lasting nature.

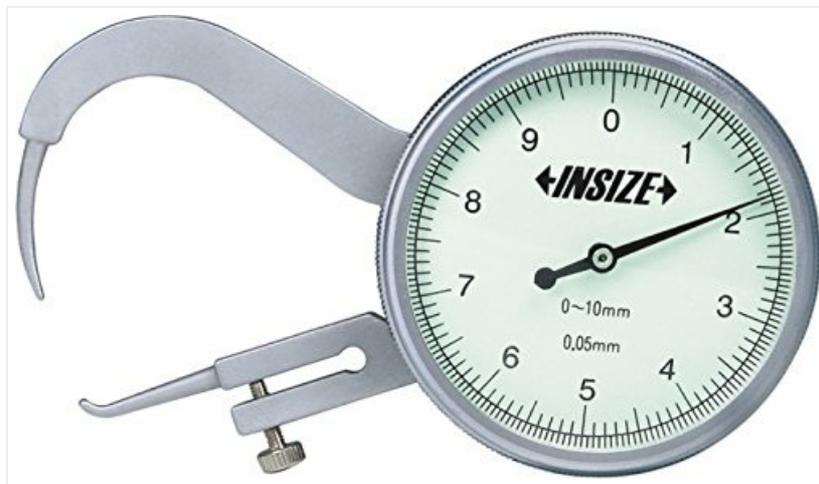


Figure 1: InSize 2866-10 Thickness Gauge. This image displays the silver-colored gauge featuring a large circular dial with a black needle, indicating measurements. The gauge has two pointed tips, one fixed and one movable, designed to measure the thickness of various materials. The dial shows markings from 0 to 9, with a stated measurement range of 0-10mm and an accuracy of 0.05mm. The 'INSIZE' brand logo is prominently displayed on the dial.

2. SETUP

- Unpacking:** Carefully remove the thickness gauge from its packaging. Inspect for any signs of damage during transit.
- Component Check:** Ensure all parts, including the main gauge body, pointed tips, and the dial indicator, are intact and free from obstructions.
- Familiarization:** Before use, familiarize yourself with the gauge's components: the fixed anvil (upper pointed tip), the

movable spindle (lower pointed tip), the dial indicator, and the locking screw (if present, for the movable tip).

4. **Cleaning:** Gently wipe the gauge with a soft, lint-free cloth to remove any dust or debris. Avoid using harsh chemicals.

3. OPERATING INSTRUCTIONS

Follow these steps for accurate thickness measurements:

- Zeroing the Gauge:** Before taking a measurement, ensure the gauge reads zero when the two pointed tips are brought together without any object in between. If it does not read zero, gently adjust the outer bezel of the dial until the needle aligns with the '0' mark.
- Positioning the Object:** Carefully place the material or object whose thickness you wish to measure between the fixed and movable pointed tips of the gauge.
- Applying Pressure:** Gently release the movable tip so it makes firm contact with the object. Do not apply excessive force, as this can lead to inaccurate readings or damage the gauge.
- Reading the Measurement:** Read the measurement directly from the dial indicator. The gauge has a measurement range of 0 to 10mm and an accuracy of 0.05mm. The large needle indicates the measurement in millimeters.
- Removing the Object:** Once the reading is taken, carefully open the tips and remove the object.

4. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your InSize Thickness Gauge:

- Cleaning:** After each use, wipe the gauge clean with a soft, dry, lint-free cloth. For stubborn dirt, a cloth lightly dampened with isopropyl alcohol can be used, but ensure no liquid enters the dial mechanism.
- Storage:** Store the gauge in its original protective case or a similar padded container when not in use. Keep it in a dry environment, away from direct sunlight, extreme temperatures, and corrosive substances.
- Handling:** Avoid dropping or subjecting the gauge to impact, as this can affect its calibration and internal mechanisms.
- Lubrication:** Do not attempt to lubricate any internal parts unless specifically instructed by the manufacturer.
- Calibration Check:** Periodically check the gauge's zero point. If consistent inaccuracies are observed, professional calibration may be required.

5. TROUBLESHOOTING

If you encounter issues with your thickness gauge, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inaccurate Readings	Gauge not zeroed; Dirt/debris on tips; Damaged tips; Internal mechanism issue.	Re-zero the gauge; Clean tips thoroughly; Inspect tips for damage (replace if necessary); Contact support for repair.
Needle Sticking/Jumping	Dust/dirt inside mechanism; Bent spindle; Lack of proper storage.	Gently tap the gauge to dislodge dust (if minor); Avoid self-repair, contact support; Store in a clean, dry place.
Tips Not Closing Fully	Obstruction between tips; Bent tips.	Remove any obstruction; Inspect tips for alignment and damage.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Insize
Manufacturer	InSize
Model Number	2866-10
Item Weight	220 g
Package Dimensions	15.8 x 10 x 4.4 cm
Measurement Range	0 - 10 mm
Accuracy	0.05 mm
Country of Origin	India
Date First Available	28 June 2016

7. WARRANTY AND SUPPORT

Insize products are manufactured to international standards and come with a full guarantee. For any inquiries regarding warranty, service, or technical support, please contact your authorized Insize dealer or the manufacturer directly. Ensure you have your product model number (2866-10) and purchase details available when seeking support.

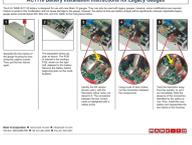
Insize is committed to providing high-performance products and ensuring trouble-free use through dedicated service and support.



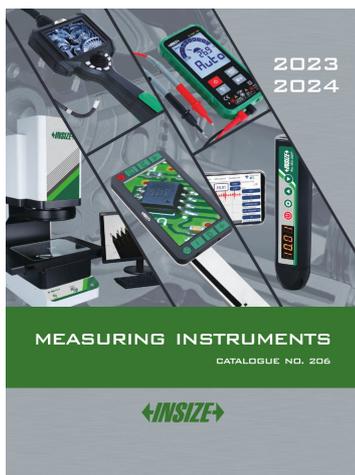
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Related Documents - 2866-10

	<p>Mitutoyo Dial Indicator User Manual</p> <p>Comprehensive user manual for Mitutoyo Dial Indicators, detailing safety precautions, component identification, operational procedures, measurement methods, maintenance, specifications, and available accessories.</p>
	<p>GlowShift Elite 10 Color Fuel Level Gauge Installation and Operation Manual</p> <p>Detailed installation and operating instructions for the GlowShift Elite 10 Color Fuel Level Gauge (GS-ET15, GS-EWT15). Covers wiring, sensor calibration, color modes, warning settings, and warranty information.</p>

	<p>Nissan MWI Meter, Warning Lamp & Indicator Guide</p> <p>Comprehensive guide detailing the meter, warning lamps, and indicators for Nissan vehicles, including system diagrams, component descriptions, and troubleshooting.</p>
	<p>Mark-10 AC1118 Battery Installation Guide for Legacy Gauges</p> <p>Instructions for installing the Mark-10 AC1118 8.4V NiMH battery into legacy Mark-10 gauges (Series BG, BGI, EG, CG), detailing the required modification for optimal performance.</p>
	<p>Apple Cinema HD Display 23" LCD (ADC) Service Manual and Troubleshooting Guide</p> <p>Comprehensive service manual for the Apple Cinema HD Display 23" LCD (ADC), including detailed take-apart instructions, troubleshooting steps, parts list, and diagrams. Learn how to service and repair your Apple display.</p>
	<p>MICRO-EPSILON thicknessSENSOR Operating Instructions for Non-Contact Thickness Measurement</p> <p>This document provides comprehensive operating instructions for the MICRO-EPSILON thicknessSENSOR, a precision laser-optical system designed for non-contact thickness measurement of non-transparent strips and plates in industrial and laboratory environments. Learn about its functional principle, safety guidelines, installation, operation via Ethernet, and technical specifications for models 10/200, 10/400, 25/200, and 25/400.</p>

Documents - Insize – 2866-10



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