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Insize 2862-101

InSize 2862-101 Thickness Gauge User Manual

Model: 2862-101 | Brand: Insize

PRODUCT OVERVIEW

The InSize 2862-101 Thickness Gauge is a precision instrument designed for accurate measurement of material thickness. It features a clear dial indicator for precise readings and a robust C-shaped frame. This gauge is built to international standards, ensuring reliable performance and durability.

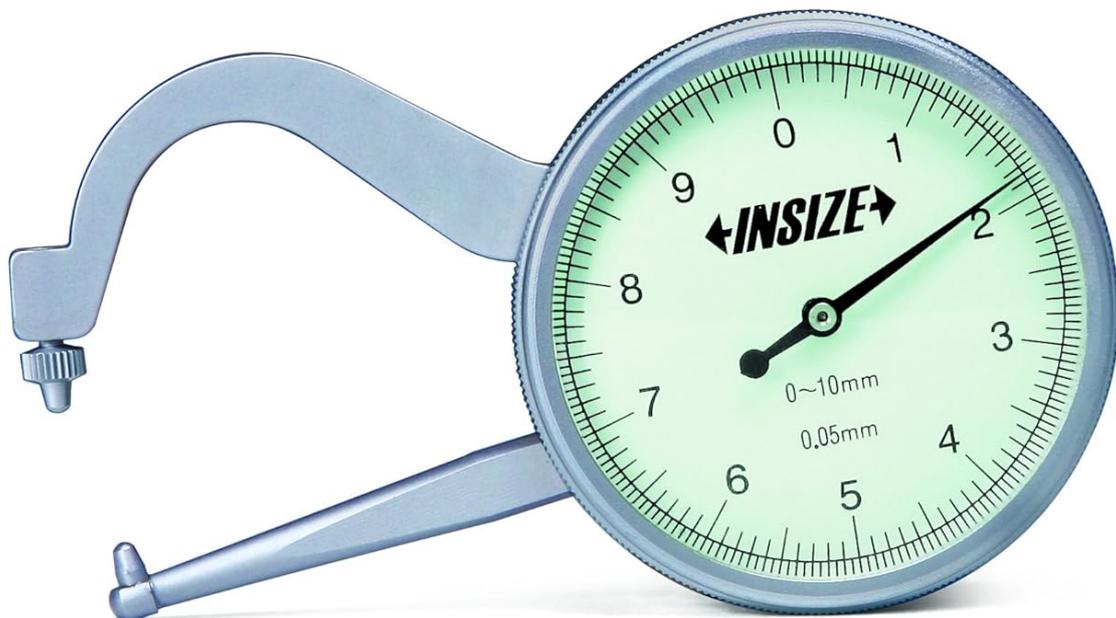


Figure 1: InSize 2862-101 Thickness Gauge. This image displays the complete gauge, highlighting its C-shaped frame, the dial indicator with a clear scale, and the measuring anvils. The dial shows a measurement range of 0-10mm and a resolution of 0.05mm.

Key Features:

- **Optimum performance:** Engineered for reliable and consistent measurements.
- **Long lasting nature:** Constructed with durable materials for extended product life.
- **Operational fluency:** Designed for smooth and easy operation.

SETUP

Before using your InSize 2862-101 Thickness Gauge, follow these simple steps to ensure proper setup and accurate measurements:

1. **Unpacking:** Carefully remove the thickness gauge from its packaging. Inspect the instrument for any signs of damage during transit.
2. **Cleaning:** Gently wipe the measuring anvils and the dial face with a clean, soft, lint-free cloth. Avoid using abrasive materials or harsh chemicals.
3. **Environmental Conditions:** Ensure the gauge is used in a stable environment, free from excessive dust, humidity, or extreme temperature fluctuations, which can affect accuracy.
4. **Zeroing the Gauge:** Before each use, gently close the measuring anvils until they make contact. The dial indicator should read zero. If it does not, carefully adjust the outer bezel of the dial until the needle aligns with the zero mark.

OPERATING INSTRUCTIONS

The InSize 2862-101 Thickness Gauge is designed for straightforward operation. Follow these steps to obtain accurate thickness measurements:

1. **Prepare the Material:** Ensure the surface of the material to be measured is clean and free of debris, burrs, or irregularities that could affect the reading.
2. **Open the Anvils:** Gently press the thumb lever to open the measuring anvils wider than the material's thickness.
3. **Position the Material:** Carefully insert the material between the two measuring anvils. Ensure the material is flat and fully seated against both anvils.
4. **Take the Measurement:** Release the thumb lever slowly, allowing the anvils to close gently onto the material. Read the measurement directly from the dial indicator. The large needle indicates the primary measurement, and the smaller needle (if present) indicates full rotations.
5. **Record the Reading:** Note down the measured value. For critical applications, take multiple readings at different points on the material to ensure consistency.

Note: The gauge has an operating distance of 0-10mm and a resolution of 0.05mm, meaning it can measure thicknesses up to 10mm with a precision of 0.05mm.

MAINTENANCE

Proper maintenance will extend the life and maintain the accuracy of your InSize 2862-101 Thickness Gauge:

- **Cleaning:** After each use, wipe the gauge clean with a soft, dry, lint-free cloth. If necessary, 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, clean environment, away from direct sunlight, extreme temperatures, and corrosive substances.
- **Lubrication:** The internal mechanisms are factory-lubricated. Do not attempt to lubricate the gauge yourself unless specifically instructed by Insize technical support.

- **Calibration:** Periodically check the gauge's accuracy using known standards (e.g., gauge blocks). If consistent inaccuracies are observed, professional calibration or repair may be required.
- **Handling:** Avoid dropping or subjecting the gauge to impact, as this can damage the delicate internal mechanism and affect accuracy.

TROUBLESHOOTING

If you encounter issues with your InSize 2862-101 Thickness Gauge, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Gauge does not zero properly.	Dust or debris between anvils; bezel misaligned; internal mechanism issue.	Clean anvils thoroughly. Rotate the outer bezel to align the needle with zero. If problem persists, contact support.
Inconsistent readings.	Material not positioned correctly; gauge not held steadily; worn anvils; internal damage.	Ensure material is flat and fully seated. Hold gauge firmly. Inspect anvils for wear. If damage suspected, contact support.
Needle movement is stiff or jerky.	Dust or foreign particles in mechanism; lack of lubrication (unlikely for new unit).	Do not attempt to lubricate. Gently tap the gauge to dislodge particles. If problem persists, contact support.

For issues not listed here or if solutions do not resolve the problem, please contact Insize customer support.

SPECIFICATIONS

Attribute	Detail
Brand	Insize
Model Number	2862-101
Manufacturer	InSize
Jaw Length	35mm (as per product title)
Operating Distance / Measuring Range	0-10mm
Resolution	0.05mm
Item Weight	110 g
Package Dimensions	15.8 x 10 x 4.4 cm
Country of Origin	India

WARRANTY AND SUPPORT

Warranty Information:

Insize products are manufactured to international standards and come with a full guarantee. For specific warranty terms and conditions, please refer to the documentation included with your product or contact Insize customer service directly.

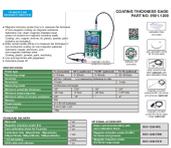
Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Insize customer support. You can typically find contact information on the manufacturer's official website or on the product packaging.

When contacting support, please have your product model number (2862-101) and purchase details readily available.

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Related Documents - 2862-101

	<p>INSIZE 2844-10 Electronic Surface Profile Gage: Specifications and Features</p> <p>Comprehensive details on the INSIZE 2844-10 Electronic Surface Profile Gage, including technical specifications, standard delivery contents, optional accessories, and key measurement features for blast cleaned surfaces.</p>
	<p>INSIZE Dimensional Metrology Catalogue 108A</p> <p>Explore the comprehensive INSIZE Dimensional Metrology Catalogue 108A, featuring a wide range of precision measuring instruments for various industrial applications. Discover tools for calipers, micrometers, depth measurement, and more.</p>
	<p>INSIZE MN-1113-E Wireless Digital Caliper Operation Instructions</p> <p>Detailed operation instructions for the INSIZE MN-1113-E Wireless Digital Caliper, covering installation, button functions, usage, maintenance, and FCC compliance.</p>
	<p>INSIZE Testing Instruments Catalogue 108B</p> <p>Explore the comprehensive range of INSIZE testing instruments, including hardness testers, metallography preparation equipment, flaw detectors, force gauges, and more. This catalogue details specifications, standard delivery, and optional accessories for INSIZE's advanced measurement solutions.</p>



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CODE 11 series 12 series 1 ... STANDARD PROBE LONG PROBE 2852-10 2852-18
BORE GAUGE FOR SMALL HOLES BORE GAUGE FOR SMALL HOLES **2862-101**
2862-102 THICKNESS GAUGE, jaw length 35mm THICKNESS GAUGE, jaw length
60mm 2863-10 THICKN...

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