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## Insize 2862-102

# InSize 2862-102 Thickness Gauge User Manual

Model: 2862-102 | Brand: Insize

## 1. INTRODUCTION

This manual provides essential information for the proper use, maintenance, and care of your InSize 2862-102 Thickness Gauge. Please read this manual thoroughly before operating the device to ensure accurate measurements and prolong its lifespan. The InSize 2862-102 is designed for precise measurement of material thickness, featuring a quick response and high accuracy.



Figure 1: The InSize 2862-102 Thickness Gauge. This image displays the gauge with its C-shaped frame, the dial indicator showing measurements from 0 to 10mm with 0.05mm resolution, and the two measuring jaws, one fixed and one movable, used to grip the material being measured.

## 2. SETUP AND INITIAL INSPECTION

Upon receiving your InSize 2862-102 Thickness Gauge, perform the following steps:

- 1. Unpacking:** Carefully remove the gauge from its packaging. Retain the original packaging for future storage or transport.
- 2. Visual Inspection:** Inspect the gauge for any signs of damage during transit. Check the dial, measuring jaws, and frame for bends, cracks, or other deformities.
- 3. Cleaning:** Gently wipe the measuring surfaces and the dial face with a clean, soft, lint-free cloth. Avoid using abrasive materials or harsh chemicals.
- 4. Zero Check:** Close the measuring jaws completely. The dial indicator should point to '0'. If it does not, gently rotate the outer

bezel of the dial until the '0' aligns with the needle.

### 3. OPERATING INSTRUCTIONS

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Follow these steps to accurately measure the thickness of a material:

- 1. Preparation:** Ensure the material to be measured is clean and free from dust, oil, or burrs that could affect accuracy.
- 2. Zeroing:** Before each measurement session, or if the gauge has been handled roughly, perform a zero check as described in Section 2.4.
- 3. Positioning:** Gently open the measuring jaws by pressing the lever. Insert the material between the two measuring jaws.
- 4. Measurement:** Release the lever slowly, allowing the jaws to close gently onto the material. Avoid forcing the jaws shut, as this can damage the gauge or yield inaccurate readings.
- 5. Reading the Dial:** Read the measurement directly from the dial indicator. The large numbers indicate millimeters, and the smaller graduations represent fractions of a millimeter (0.05mm per mark).
- 6. Repeatability:** For critical measurements, take several readings at different points on the material to ensure consistency and account for any material variations.

*Note:* The gauge has a measuring range of 0-10mm and a resolution of 0.05mm.

### 4. MAINTENANCE AND CARE

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Proper maintenance ensures the longevity and accuracy of your 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 protective case in a clean, dry environment, away from direct sunlight, extreme temperatures, and high humidity.
- Lubrication:** The internal mechanism is factory-lubricated. Do not attempt to lubricate the gauge yourself unless specifically instructed by Insize technical support.
- Handling:** Avoid dropping or subjecting the gauge to impact, as this can damage the delicate internal mechanism and affect accuracy.
- Calibration:** Regular calibration checks with known standards are recommended to ensure continued accuracy, especially in professional or critical applications.

### 5. TROUBLESHOOTING

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If you encounter issues with your InSize 2862-102 Thickness Gauge, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inaccurate Readings	<ul style="list-style-type: none"><li>• Gauge not zeroed correctly.</li><li>• Dirt or debris on measuring surfaces.</li><li>• Gauge dropped or damaged.</li><li>• Material not properly positioned.</li></ul>	<ul style="list-style-type: none"><li>• Perform zero check (Section 2.4).</li><li>• Clean measuring surfaces (Section 4.1).</li><li>• Inspect for damage; if significant, contact support.</li><li>• Ensure material is flat and centered between jaws.</li></ul>
Needle does not return to zero	<ul style="list-style-type: none"><li>• Debris in the mechanism.</li><li>• Bent or damaged components.</li></ul>	<ul style="list-style-type: none"><li>• Gently clean around the lever and jaws.</li><li>• Do not force; contact support if persistent.</li></ul>

Problem	Possible Cause	Solution
Stiff or sticky movement of jaws	<ul style="list-style-type: none"> <li>• Accumulation of dirt or dust.</li> <li>• Lack of lubrication (unlikely for new units).</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the moving parts thoroughly.</li> <li>• Do not apply lubricants unless advised by manufacturer.</li> </ul>

If the problem persists after attempting these solutions, please contact Insize customer support.

## 6. TECHNICAL SPECIFICATIONS

<b>Model Number</b>	2862-102
<b>Brand</b>	Insize
<b>Manufacturer</b>	InSize
<b>Measuring Range</b>	0 - 10 mm
<b>Resolution</b>	0.05 mm
<b>Jaw Length</b>	60 mm
<b>Item Weight</b>	240 g
<b>Package Dimensions</b>	16 x 10.2 x 4.4 cm
<b>Date First Available</b>	28 June 2016

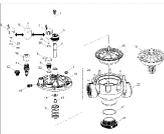
## 7. WARRANTY INFORMATION

Insize products are manufactured to high quality standards. For specific warranty terms and conditions applicable to your InSize 2862-102 Thickness Gauge, please refer to the warranty card included with your product or visit the official Insize website. Typically, warranty covers manufacturing defects under normal use. Damage resulting from misuse, neglect, or unauthorized repairs is generally not covered.

## 8. CUSTOMER SUPPORT

For technical assistance, service, or inquiries regarding your InSize 2862-102 Thickness Gauge, please contact Insize customer support through their official channels. Contact information can usually be found on the product packaging, the Insize website, or by searching for "Insize customer support" online.

When contacting support, please have your model number (2862-102) and a detailed description of the issue ready.

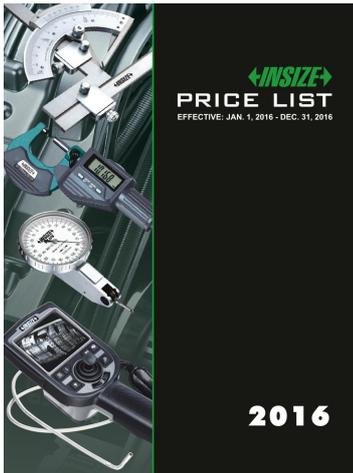
 <p><b>FENTON</b> RP165 Series Record Player Set Part No. RP165B, RP165C, RP165L, RP165, RP165D</p> <p>INSTRUCTION MANUAL GEBRUIKSAANWIJZING BEDIENINGSANLEIDUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS ISTRUKCIA OBSLUGI</p> <p>101</p>	<p><a href="#">Fenton RP165 Series Record Player Set Instruction Manual</a></p> <p>Comprehensive instruction manual for the Fenton RP165 Series Record Player Set, detailing setup, operation, and safety guidelines for models RP165B, RP165C, RP165L, RP165, and RP165D.</p>
 <p><b>FENTON</b> RP115 Series Record Player Briefcase Part No. RP115, RP115C, RP115L, RP115D, RP115E, RP115F</p> <p>INSTRUCTION MANUAL GEBRUIKSAANWIJZING BEDIENINGSANLEIDUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS</p> <p>102</p>	<p><a href="#">Fenton RP115 Series Record Player Briefcase Instruction Manual</a></p> <p>Comprehensive instruction manual for the Fenton RP115 Series Record Player Briefcase, covering setup, operation, computer connection, Bluetooth pairing, safety guidelines, and technical specifications.</p>
 <p><b>audizio</b> Avola Digital Music System Part No. AVOLA, AVOLA, AVOLA, AVOLA, AVOLA, AVOLA</p> <p>INSTRUCTION MANUAL GEBRUIKSAANWIJZING BEDIENINGSANLEIDUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS ISTRUKCIA OBSLUGI NAVODI K POUZITI</p> <p>103</p>	<p><a href="#">Audizio Avola Digital Music System Instruction Manual</a></p> <p>Comprehensive instruction manual for the Audizio Avola Digital Music System, covering setup, features, troubleshooting, and specifications for this multi-functional audio device.</p>
 <p><b>audizio</b> MILAN DAB+ RADIO Part No. MILAN DAB+, MILAN DAB+, MILAN DAB+, MILAN DAB+, MILAN DAB+</p> <p>INSTRUCTION MANUAL GEBRUIKSAANWIJZING BEDIENINGSANLEIDUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS ISTRUKCIA OBSLUGI NAVODI K POUZITI</p> <p>104</p>	<p><a href="#">Audizio MILAN DAB+ Radio Instruction Manual</a></p> <p>Comprehensive instruction manual for the Audizio MILAN DAB+ Radio, covering setup, operation, features like DAB and FM modes, Bluetooth playback, and troubleshooting.</p>
 <p><b>FENTON</b> RP162 Record Player HQ BT Part No. RP162, RP162, RP162, RP162, RP162, RP162</p> <p>INSTRUCTION MANUAL GEBRUIKSAANWIJZING BEDIENINGSANLEIDUNG MANUAL DE INSTRUCCIONES MANUEL D'INSTRUCTIONS</p> <p>104</p>	<p><a href="#">Fenton RP162 Record Player HQ BT Instruction Manual</a></p> <p>Comprehensive instruction manual for the Fenton RP162 Record Player HQ BT, covering setup, operation, features like Bluetooth, USB, and connections. Includes safety precautions and technical specifications.</p>
 <p>P-220, P-220G and Scrubber Series - 2 Inch Valve</p> <p>105</p>	<p><a href="#">P-220, P-220G, and Scrubber Series 2-Inch Valve Parts Diagram and Service Information</a></p> <p>Detailed parts list and diagram for the P-220, P-220G, and Scrubber Series 2-inch valves, including part numbers, descriptions, and quantities. Information on service kits and individual components is provided.</p>



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