

Neoteck TL338

Neoteck Digital Thickness Gauge TL338 User Manual

Model: TL338 | Brand: Neoteck

1. SAFETY INFORMATION

Please read and understand all instructions before operating this device. Keep this manual for future reference.

- Handle the gauge with care to avoid damage to the measuring surfaces or internal components.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping the device or subjecting it to strong impacts.
- Keep the device clean and free from dust, oil, and other contaminants.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.
- Dispose of batteries according to local regulations.

2. PRODUCT OVERVIEW

The Neoteck Digital Thickness Gauge TL338 is a precision instrument designed for accurate measurement of various materials. It features a high-resolution LCD display and a durable construction for reliable performance.

Key Features:

- Ultra-Precise Measurements: 0.00005inch (0.001mm) resolution across a 0-1inch (0-25.4mm) range.
- 10mm Aluminum Alloy Measuring Surface: Ensures wear resistance and long-term stability.
- Effortless One-Handed Operation: Constant-force press lever and ergonomic handle for swift measurements.
- User-Friendly Smart Design: One-touch ZERO, instant mm/inch unit switching, backlit LCD, and auto power-off.
- Durable Construction: Aluminum Alloy/Iron body for demanding environments.
- Versatile Application: Suitable for paper, leather, plastic, metal sheets, film, and more.

Components:

The package includes the Digital Thickness Gauge, one 1.5V LR44 battery, and this instruction manual.

0 -0.5" | 0.00005" Digital Thickness Gauge

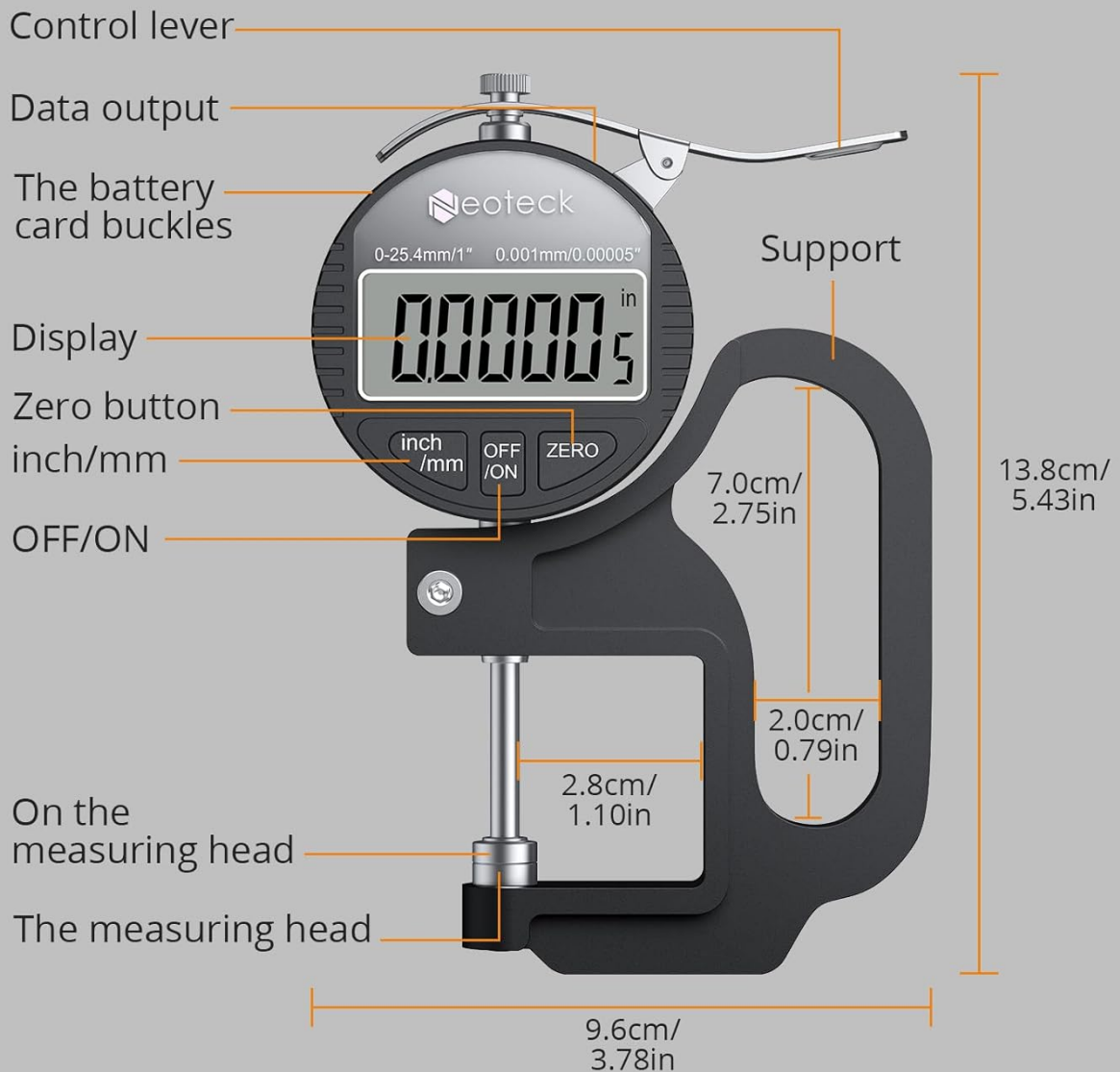


Figure 1: Detailed view of the Neoteck Digital Thickness Gauge components and dimensions.

3. SETUP

Battery Installation:

1. Locate the battery compartment on the back of the gauge.
2. Open the battery cover.
3. Insert one 1.5V LR44 battery, ensuring correct polarity (+/-).
4. Close the battery cover securely.

Multifunctional Digital Thickness Gauge

Achieves full-scene thickness precision measurement from metal substrate to flexible film



Figure 2: Contents of the Neoteck Digital Thickness Gauge package, including the gauge, battery, and manual.

4. OPERATING INSTRUCTIONS

Power On/Off:

Press the 'OFF/ON' button to turn the device on or off. The device will automatically power off after 5 minutes of inactivity to conserve battery life.

Inch/MM Unit Conversion:

Press the 'inch/mm' button to switch between imperial (inches) and metric (millimeters) units. The selected unit will be displayed on the LCD screen.

Large LCD Display, Faster Data Reading | 0.00005 inch Resolution

Supports inch/mm units switch, measurement data at a glance



Figure 3: The large LCD display and unit conversion buttons.

Zero Setting:

Before taking a measurement, ensure the measuring surfaces are clean and then press the measuring rod to the bottom. Press the 'ZERO' button to set the display to zero. This calibrates the gauge for accurate readings.

Taking a Measurement:

1. Ensure the gauge is powered on and zeroed.
2. Hold the gauge comfortably with one hand using the ergonomic grip.
3. Press the control lever to open the measuring jaws.
4. Carefully place the material to be measured between the measuring surfaces.
5. Release the control lever slowly, allowing the measuring surfaces to gently contact the material.
6. Read the thickness value directly from the LCD display.

Fast Press, One-hand Operation in Two Steps



Merge Probe

Press measuring rod to bottom and press "ZERO" to set zero.



Place Object into Probe

Place the measured object, loose measuring rod and read value.

1. Thickness gauge needs to be placed vertically, because gravity affects the measurement data
2. Take the average value of multiple measurements, whose results are more accurate
3. Be careful not to apply excessive pressure

Figure 4: One-hand operation for quick and easy measurements.

Alloy Measuring Surface for Seamless Measurement

Suitable for measuring flat/soft materials, paper, leather, film, etc



Figure 5: Measuring various materials with the alloy measuring surface.

Important Measurement Notes:

- The thickness gauge should be placed vertically during measurement, as gravity can affect data.
- For optimal accuracy, take multiple measurements and calculate the average value.
- Avoid applying excessive pressure when closing the measuring surfaces on the material.

Video Demonstration:

Video 1: A demonstration of the Neoteck Digital Thickness Meter in use, showcasing its features and measurement process.

5. MAINTENANCE

Cleaning:

Regularly clean the measuring surfaces with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Do not use solvents or abrasive cleaners.

Storage:

When not in use, store the thickness gauge in its protective case in a dry, cool place, away from direct sunlight and extreme temperatures. Remove the battery if the device will not be used for an extended period.

Battery Replacement:

If the display becomes dim or unresponsive, replace the LR44 battery as described in the 'Battery Installation' section.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or dim	Low battery or incorrect battery installation.	Replace the LR44 battery, ensuring correct polarity.
Inaccurate readings	Measuring surfaces are dirty or not zeroed correctly.	Clean measuring surfaces and perform zero setting. Ensure the gauge is held vertically.
Buttons unresponsive	Device malfunction or low battery.	Replace battery. If problem persists, contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	Neoteck
Model	TL338
Measurement Range	0-1 inch (0-25.4mm)
Resolution	0.00005 inch (0.001mm)
Measurement Accuracy	0.0005"/0.00005"
Material	Aluminum Alloy/Iron
Battery Type	1 x 1.5V LR44 (included)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Included Components	Thickness Gauge, 1.5V Battery, Instruction Manual

8. WARRANTY AND SUPPORT

Warranty:

This Neoteck Digital Thickness Gauge is covered by an 18-month warranty from the date of purchase. The warranty

covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your Neoteck Digital Thickness Gauge, please contact our customer support team. Refer to the contact information provided on the product packaging or our official website.