

Zerodis TS-60

Zerodis TS-60 Mini Pressure Gauge User Manual

Model: TS-60

1. INTRODUCTION

The Zerodis TS-60 Mini Pressure Gauge is a compact and high-precision instrument designed for accurate pressure measurement in various applications. It is suitable for measuring the pressure of air, water, and oil, providing reliable readings for industrial and scientific use. Its durable construction and clear dial ensure long-lasting performance and easy readability.

2. SAFETY INFORMATION

- Always ensure the pressure gauge is installed by qualified personnel.
- Do not exceed the maximum rated pressure of 6 bar. Over-pressurization can damage the gauge and pose a safety risk.
- Verify compatibility of the gauge's materials with the media being measured (air, water, oil).
- Avoid dropping or subjecting the gauge to severe impacts, as this can affect its accuracy and integrity.
- Ensure the connection thread is properly sealed to prevent leaks.

3. PRODUCT OVERVIEW

The TS-60 Mini Pressure Gauge features a robust metal casing and a clear acrylic lens protecting the dial. The dial displays pressure readings in 'bar' with a range of 0 to 6 bar. It includes a 1/4" NPT threaded connection for easy installation into compatible systems.



Figure 3.1: Angled view of the Zerodis TS-60 Mini Pressure Gauge, showing the clear dial and black casing.



Figure 3.2: Front view of the TS-60 dial, clearly showing the 0-6 bar scale and 'CL. 2.5' accuracy class.



Figure 3.3: Bottom view of the pressure gauge, highlighting the 1/4" NPT threaded connection for installation.

4. SETUP

The TS-60 Mini Pressure Gauge is designed for straightforward installation. Follow these steps for proper setup:

1. **Prepare the Connection Point:** Ensure the system where the gauge will be installed has a compatible 1/4" NPT female thread.
2. **Apply Sealant:** Apply an appropriate thread sealant (e.g., PTFE tape or pipe dope) to the male threads of the pressure gauge to ensure a leak-free connection.

- 3. **Thread the Gauge:** Carefully thread the pressure gauge into the connection point by hand until it is finger-tight.
- 4. **Tighten Securely:** Using a suitable wrench, tighten the gauge an additional 1 to 2 turns past finger-tight. Do not overtighten, as this can damage the threads or the gauge.
- 5. **Check for Leaks:** After installation, pressurize the system and check for any leaks around the connection point using a leak detection solution or by listening for hissing sounds.

5. OPERATING

Once installed, the Zerodis TS-60 Mini Pressure Gauge operates automatically by displaying the current pressure of the system it is connected to. No manual calibration or power source is required for its basic function.

- **Reading the Dial:** The black needle on the white dial indicates the pressure in 'bar'. Read the value directly where the needle points on the scale.
- **Pressure Range:** The gauge measures pressure from 0 to 6 bar. Ensure the system's operating pressure remains within this range.
- **Accuracy:** The gauge has an accuracy class of 2.5 (CL. 2.5), meaning the maximum error is 2.5% of the full scale range.

6. MAINTENANCE

The TS-60 Mini Pressure Gauge requires minimal maintenance to ensure its longevity and accuracy.

- **Regular Inspection:** Periodically inspect the gauge for any signs of damage, such as cracks in the casing or lens, or a bent needle.
- **Cleaning:** Clean the exterior of the gauge with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the casing or lens.
- **Environmental Conditions:** Ensure the gauge is not exposed to extreme temperatures or corrosive environments beyond its operational limits.
- **Recalibration:** If the gauge is suspected to be inaccurate, it should be removed and professionally recalibrated or replaced.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
No pressure reading / Needle at zero	No pressure in the system; Gauge blocked; Gauge faulty.	Check system pressure; Inspect for blockages; Replace gauge if faulty.

Problem	Possible Cause	Solution
Inaccurate reading	Gauge damaged; Incorrect installation; Environmental factors.	Inspect for damage; Reinstall correctly; Ensure stable environment. Consider professional recalibration or replacement.
Leaks at connection	Insufficient thread sealant; Loose connection; Damaged threads.	Reapply thread sealant and retighten; Inspect threads for damage.

8. SPECIFICATIONS

Characteristic	Value
Model	TS-60
Material	Metal
Measurement Range	0 - 6 bar
Dial Diameter	Approx. 60 mm (2.3 inches)
Connection Thread	1/4" NPT
Installation Type	Bottom Mount (Radial Mount)
Accuracy Class	CL. 2.5
Item Weight	108 Grams (3.81 ounces)
Manufacturer	Zerodis
Item Model Number	Zerodissh453gfc8u

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the Zerodis official website or contact your point of purchase. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the [Zerodis Store on Amazon](#).

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