

AstroAI GL-0801B

AstroAI Digital Tire Pressure Gauge (Model GL-0801B) Instruction Manual

Your guide to accurate tire pressure measurement.

1. INTRODUCTION

Thank you for choosing the AstroAI Digital Tire Pressure Gauge, Model GL-0801B. This device is designed to provide quick and accurate tire pressure readings for a variety of vehicles. Proper tire pressure is crucial for safe driving, reduced tire wear, and extended tire life.

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your new tire pressure gauge. Please read it thoroughly before use and retain it for future reference.



Image: The AstroAI Digital Tire Pressure Gauge in black, shown with two AAA batteries and a brass Presta valve adapter.

2. SETUP

2.1 Battery Installation

Your AstroAI Digital Tire Pressure Gauge requires 2 AAA batteries for operation. These batteries are included with your purchase. To install or replace batteries:

1. Locate the battery compartment on the back of the gauge.
2. Slide open the battery cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.

UPGRADE TO REPLACEABLE AAA BATTERIES

Includes 2 replaceable AAA batteries; Built-in sensor chip
reduces auto-screen-off time to 30 seconds.

30s



Image: An internal view of the AstroAI Digital Tire Pressure Gauge illustrating the placement of two AAA batteries.

2.2 Presta-to-Schrader Adapter

The gauge comes with a Presta-to-Schrader adapter, allowing compatibility with both Presta and Schrader valves. This adapter is typically used for bicycles with Presta valves.

CONVENIENT PRESTA-TO-SCHRADER ADAPTER

The Presta valve adapter is compatible with almost all vehicles' tire pressure measurements including bicycles, motorcycles, sedans, and trucks.



Image: The digital tire pressure gauge demonstrating its use on both a bicycle tire (with Presta adapter) and a car tire (Schrader valve).

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Unit Selection

1. Press the "ON/UNIT/OFF" button to turn on the gauge. The LCD screen will display "0.0" and the selected unit.
2. To change measurement units (PSI, BAR, Kgf/cm², KPA), press the "ON/UNIT/OFF" button repeatedly until your desired unit is displayed.
3. The gauge will automatically shut off after 20 seconds of inactivity to conserve battery life. To manually turn off the gauge, press and hold the "ON/UNIT/OFF" button for approximately 3 seconds.

3.2 Measuring Tire Pressure

1. Ensure the gauge is powered on and the correct unit is selected.
2. Press the gauge's nozzle firmly onto the tire valve stem. You will hear a slight hiss as air escapes; this is normal. Maintain a tight seal to prevent air leakage.
3. The reading will be displayed on the backlit LCD screen. The illuminated nozzle assists in low-light conditions.
4. Remove the gauge from the valve stem to easily read the measurement. The reading will hold on the screen for a few seconds.

1-BUTTON CONTROL, EASY TO USE

The gauge will take 2 seconds to automatically calibrate once it turns on; it can be used normally after this.



Image: A visual guide demonstrating the simple 1-button operation for powering on, calibrating, measuring, and reading tire pressure.

CONVENIENT LOW-LIGHT OPERATION



The Illuminated Nozzle Lights Up for Convenient Measurement

The Backlit LCD Screen Clearly Displays PSI in 0.1 Increments

Image: The gauge's illuminated nozzle and backlit LCD display ensure clear readings even in low-light environments.

3.3 Vehicle Compatibility

The AstroAI Digital Tire Pressure Gauge is versatile and compatible with most vehicles, including cars, trucks, motorcycles, and bicycles (with the included Presta-to-Schrader adapter).

4 UNITS, 0-150PSI FOR ALL VEHICLES

Road Bike
80~130PSI



Motorcycle
25~32PSI



Sedan
33~39PSI



SUV
35~40PSI



Heavy-Duty
Truck
75~110PSI



Image: Recommended tire pressure ranges for different vehicle types, highlighting the gauge's broad applicability.

4. MAINTENANCE

4.1 Battery Replacement

When the battery indicator on the LCD screen shows low power, replace the 2 AAA batteries as described in Section 2.1. Always use fresh batteries for optimal performance.

4.2 Cleaning and Storage

- Clean the gauge with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- Store the gauge in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

5. TROUBLESHOOTING

5.1 Gauge Not Turning On or Flashing Screen

- Check the batteries. Ensure they are correctly installed with the right polarity.
- Replace the batteries with new ones if they are depleted.

5.2 Inaccurate Readings

- Ensure a tight seal between the gauge nozzle and the tire valve stem during measurement. Air leakage can cause inaccurate readings.
- Verify that the correct measurement unit is selected.
- If issues persist, contact AstroAI Customer Service.

6. SPECIFICATIONS

Feature	Detail
Model	GL-0801B
Measurement Range	0-150 PSI / 0-10 Bar / 0-10 Kg/cm ² / 0-1000 KPA
Display	Backlit LCD
Power Source	2 x AAA Batteries (included)
Auto Shut-off	20 seconds
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions	5.51 x 2.36 x 1.18 inches
Weight	3.07 ounces (87 Grams)

EXPERT-GRADE CALIBRATION

Calibrated with professional-grade tools, ensuring quick and accurate measurement results within ± 1 PSI



0-150PSI



4 UNITS



0.1PSI
Increments



Accuracy Grade	Permissible Error
2A (Process Gauges)	$\pm 0.5\%$ of Span
2AR (Process Gauges)	$\pm 0.5\%$ of Reading
A (Industrial Gauges)	$\pm 1\%$ of Span
B (Commercial Gauges)	$\pm 2\%$ of Span

Image: Details on the gauge's accuracy and measurement capabilities.

7. WARRANTY & SUPPORT

AstroAI provides a 1-year warranty for this product. For any questions, concerns, or support needs, please contact AstroAI Customer Service directly. You can find contact information on the official AstroAI website or through your purchase platform.




For additional resources and product information, visit the [AstroAI Store](#).

[Official Product Video](#)

Your browser does not support the video tag.

Video: An official product video from AstroAI Direct demonstrating the features and usage of the AAA Tire Pressure Gauge.

Related Documents - GL-0801B

 The image shows the cover of the AstroAI GL-0801B Digital Tire Pressure Gauge User Manual. It features the AstroAI logo at the top, a line drawing of the digital tire pressure gauge in the center, and the text 'GL-0801B DIGITAL TIRE PRESSURE GAUGE USER MANUAL' at the bottom.	<p>AstroAI GL-0801B 150 PSI Digital Tire Pressure Gauge User Manual</p> <p>User manual for the AstroAI GL-0801B Digital Tire Pressure Gauge, providing instructions, specifications, troubleshooting, and warranty information for optimal use and maintenance.</p>
 The image shows the cover of the AstroAI 150 PSI Digital Tire Pressure Gauge User Manual. It features the AstroAI logo at the top, a line drawing of the digital tire pressure gauge in the center, and the text '150 PSI DIGITAL TIRE PRESSURE GAUGE USER MANUAL' at the bottom.	<p>AstroAI 150 PSI Digital Tire Pressure Gauge User Manual</p> <p>Comprehensive user manual for the AstroAI 150 PSI Digital Tire Pressure Gauge, covering operation, specifications, troubleshooting, and warranty information.</p>
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<div data-bbox="134 107 293 152" data-label="Text"><p>AstroAI</p></div> <div data-bbox="134 161 293 456" data-label="Image"></div> <div data-bbox="134 465 293 510" data-label="Caption"><p>GL-0801A DIGITAL TIRE PRESSURE GAUGE USER MANUAL</p></div>	<div data-bbox="341 237 1002 266" data-label="Section-Header"><p>AstroAI 150 PSI Digital Tire Pressure Gauge User Manual</p></div> <div data-bbox="341 277 1461 387" data-label="Text"><p>Comprehensive user manual for the AstroAI GL-0801A 150 PSI Digital Tire Pressure Gauge. Includes instructions for operation, battery replacement, troubleshooting, and warranty information. Learn how to accurately measure tire pressure for optimal vehicle safety and performance.</p></div>
<div data-bbox="134 586 293 631" data-label="Text"><p>AstroAI</p></div> <div data-bbox="134 640 293 936" data-label="Image"></div> <div data-bbox="134 945 293 990" data-label="Caption"><p>GL-0801A DIGITAL TIRE PRESSURE GAUGE USER MANUAL</p></div>	<div data-bbox="341 716 1126 745" data-label="Section-Header"><p>AstroAI GL-0801A 150 PSI Digital Tire Pressure Gauge User Manual</p></div> <div data-bbox="341 757 1471 866" data-label="Text"><p>User manual for the AstroAI GL-0801A 150 PSI Digital Tire Pressure Gauge, covering introduction, warnings, specifications, operation, battery replacement, troubleshooting, and warranty information. Learn how to accurately measure tire pressure for optimal vehicle safety and performance.</p></div>
<div data-bbox="134 1066 293 1111" data-label="Text"><p>AstroAI</p></div> <div data-bbox="134 1115 293 1303" data-label="Image"></div> <div data-bbox="134 1258 293 1303" data-label="Caption"><p>GL-1402A INFLATOR TIRE PRESSURE GAUGE USER MANUAL</p></div>	<div data-bbox="341 1115 1165 1144" data-label="Section-Header"><p>AstroAI GL-1402A Digital Tire Inflator with Pressure Gauge User Manual</p></div> <div data-bbox="341 1155 1410 1265" data-label="Text"><p>Comprehensive user manual for the AstroAI GL-1402A digital tire inflator and pressure gauge. Learn how to inflate, check tire pressure, troubleshoot common issues, and understand the warranty. Features include a 250 PSI range, backlit LCD, and NPT compatibility.</p></div>