

## 1. Overview



The Philoent Tire Inflator is a cordless, portable air compressor designed for inflating car tires, motorcycle tires, bicycle tires, and sports balls. It features a digital pressure gauge, multiple preset modes, an automatic shut-off function, and a built-in LED light.

### Key Specifications:

- **Maximum Pressure:** 150 PSI
- **Power Source:** Rechargeable Battery (USB-C Charging)
- **Voltage:** 5V

- **Noise Level:** ~60 dB
- **Display:** Digital LCD (shows PSI, BAR, KPA, KG/CM<sup>2</sup>)
- **Dimensions:** Approx. 2.8"L x 1.7"W x 5"H
- **Weight:** 0.53 kg (1.17 lbs)

## 2. Package Contents



Before use, verify all items are present:

- 1 x Philoent Tire Inflator (Main Unit)
- 1 x Air Hose with attached Schrader valve (for standard car tires)
- 1 x Presta Valve Adapter (for many bicycle tires)
- 1 x Needle Adapter (for sports balls, air pillows, etc.)
- 1 x USB A to USB-C Charging Cable
- 1 x User Manual (this document)

**Note:** A USB power adapter (wall charger) is not included. Use a standard 5V USB charger.

### 3. Product Features & Controls



#### 3.1 Control Panel and Display

The front of the unit contains the following elements:

- **LCD Screen:** Displays the target pressure, real-time pressure, selected unit of measurement, and battery level indicator.
- **Mode Button (M):** Cycles through five preset inflation modes: Car, Bike, Motorcycle, Ball, and Custom.
- **Unit Button (UNIT):** Toggles the pressure unit of measurement between PSI, BAR, KPA, and KG/CM<sup>2</sup>.
- **Plus (+) / Minus (-) Buttons:** Adjust the target pressure value in the selected mode.
- **Start/Stop Button:** Initiates or manually stops the inflation process. The button backlight indicates status.
- **LED Light Button:** Turns the built-in white LED flashlight on or off.
- **USB-C Charging Port:** Located on the side or bottom of the unit.
- **Battery Indicator:** Icon on the LCD shows remaining charge.

### 3.2 Air Hose and Adapters



The flexible air hose serves as a carry handle. The end connector accepts the included adapters.

- **Schrader Valve (Attached):** For most car, motorcycle, and some bicycle tires.
- **Presta Adapter:** Screw onto the hose connector for bicycles with Presta valves.
- **Needle Adapter:** For inflating sports balls, air pillows, and other items with a small needle valve.

## 4. Initial Setup and Charging

1. **Initial Charge:** Before first use, fully charge the inflator.
  - Connect the provided USB-C cable to the port on the inflator.
  - Connect the USB-A end to a 5V USB power adapter (not included) or a computer USB port.
  - The battery icon on the display will indicate charging. A full charge typically takes 1-2 hours.

2. **Battery Care:** For optimal battery life and performance:

- Fully charge before each use, especially for larger tires or high-pressure tasks.
- If storing for more than three months, recharge the unit fully.
- Store in a cool, dry place.

## 5. Operating Instructions

### 5.1 Basic Inflation Procedure

1. **Power On:** Briefly press the Start/Stop button. The LCD will illuminate.
2. **Select Mode:** Press the **M** button to choose the appropriate preset (Car, Bike, Motorcycle, Ball) or **Custom** for a manual value.
3. **Set Target Pressure:** In your selected mode, use the **+** and **-** buttons to set the desired pressure. Refer to your vehicle or equipment's recommended PSI.
4. **Attach Hose:**
  - For car/motorcycle tires: Use the attached Schrader valve on the hose.
  - For bicycle tires: Screw the Presta adapter onto the hose connector, then attach to the valve.
  - For balls: Attach the needle adapter to the hose, then insert the needle into the ball's valve.

Press the connector firmly onto the tire valve until you hear a slight hiss, indicating a seal.

5. **Start Inflation:** Press and hold the **Start/Stop** button. The unit will beep and begin inflating. The real-time pressure will update on the display.
6. **Automatic Shut-Off:** The inflator will automatically stop when the target pressure is reached. A completion beep will sound.
7. **Disconnect:** Remove the hose connector from the valve. Press the Start/Stop button once to turn the unit off.

### 5.2 Using the LED Light

Press the LED Light button to turn the flashlight on or off. Useful for nighttime or low-light emergencies.

### Important Usage Notes

- This inflator is **not intended** for large-volume inflatables like air mattresses, paddle boards, or heavy-load truck/RV tires.

- Battery drain increases when inflating larger tires, filling to high pressure, or operating in cold weather.
- The unit has an internal thermal protector and may automatically pause if it overheats. Allow it to cool before resuming.
- Do not run the compressor continuously for more than 10 minutes. Allow it to cool between extended uses.

## 6. Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is depleted.	Connect to USB charger and charge fully.
Inflator runs but no air comes out.	Incorrect adapter not sealed properly; hose not attached to unit.	<ol style="list-style-type: none"> <li>1. Ensure you're using the correct valve adapter (Schrader/Presta/Needle).</li> <li>2. Check that the hose is firmly screwed onto the inflator's outlet.</li> <li>3. Ensure the adapter is pressed firmly onto the tire valve to create a seal.</li> </ol>
Unit stops before reaching target pressure.	Battery low; unit overheated; internal safety timer (approx. 3 min for balls).	<ol style="list-style-type: none"> <li>1. Recharge the battery.</li> <li>2. Allow unit to cool down.</li> <li>3. For balls, you may need to restart the inflation process after the auto-pause.</li> </ol>
Pressure reading seems inaccurate.	Natural variance; tire valve leak.	<ol style="list-style-type: none"> <li>1. Use a separate tire gauge to verify pressure.</li> <li>2. Check for a leak at the valve connection.</li> </ol>
LED light does not work.	Unit is off; button not pressed correctly.	Turn the unit on first, then press the LED light button.

## 7. Care and Maintenance

- Store the inflator and accessories in the provided fabric pouch or a dry place.
- Keep the air outlet and hose connectors clean and free of debris.

- Do not expose the unit to water or excessive moisture.
- Do not disassemble the unit.
- Recharge the battery every three months if the unit is not in use for extended periods.

## 8. Warranty and Support

This product is covered by a **2-year limited warranty** from the date of purchase by the manufacturer, YUYAO MINGSHUO INTELLIGENT TECHNOLOGY CO., LTD.

**For questions, concerns, or warranty service:** Please contact the seller through your Amazon order details or visit the Philoent Store on Amazon for support information.

**Manufacturer:** YUYAO MINGSHUO INTELLIGENT TECHNOLOGY CO., LTD.

**Model:** MS22C-211D

**UPC:** 793876983835

**ASIN:** B0G6CYV6MW

### Warning

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