

1. Overview

The Lamicall VHEP03 is a portable, cordless electric tire inflator designed for inflating car, motorcycle, and bicycle tires, as well as sports balls. It features a digital pressure gauge, multiple inflation modes, an auto-shutoff function, and an integrated LED light.



2. Package Contents

- Tire Inflator × 1
- Anti-scratch Silicone Covers × 2
- Schrader-Presta Valve Adapter × 1

- Needle Valve Adapter ×1
- Air Tube ×1
- Special Fuse ×1

Ensure all items are present before use.

3. Product Specifications

- **Model:** VHEP03
- **Brand:** Lamicall
- **Maximum Pressure:** 150 PSI
- **Air Flow:** 20 L/min (20 LPM)
- **Power Source:** Rechargeable Battery & 12V DC Car Socket (Cigarette Lighter)
- **Charging Input:** 5V/2A USB-C
- **USB Output:** 5V/2A USB-A (for use as a power bank)
- **Dimensions:** 160 x 46 x 68 mm (6.3 x 1.8 x 2.7 in)
- **Weight:** 452 g
- **Material:** Aluminum Alloy
- **Hose Length:** 30 cm (11.8 in)

4. Features and Controls



4.1 Physical Components

- **Digital Display Screen:** Shows target pressure, current pressure, and selected unit.
- **Function (MODE) Button:** Cycles through five inflation modes: Car, Motorcycle, Bicycle, Ball, and Custom.
- **Unit (U) Button:** Cycles through four pressure units: PSI, BAR, KPA, KG/CM².
- **+ / - Buttons:** Adjust the target pressure value in Custom mode.
- **Power/Start Button:** Powers the device on and starts the inflation process.
- **LED Light Button:** Cycles through three light modes: Constant, Flashing, SOS.
- **USB-C Charging Port:** For recharging the internal battery.
- **USB-A Output Port:** For charging external devices (e.g., phones).
- **12V DC Input Port:** For connecting to a car's cigarette lighter socket.
- **360° Rotating Air Nozzle:** Connects to the hose for flexible positioning.
- **Heat-Resistant Air Hose:** 30 cm long, threaded connection.

4.2 Key Features

- **Fast Inflation:** High-precision aluminum alloy cylinder for efficient inflation (up to 5x faster than some models). Can inflate a car tire from 28 to 36 PSI in under 1 minute.
- **Auto Shutoff:** Automatically stops inflation when the preset target pressure is reached.
- **Pressure Memory:** Remembers your last set pressure in Custom mode.
- **High-Precision Gauge:** Accuracy within ± 0.1 PSI.
- **Dual Power Modes:** Operate via internal battery or directly from a 12V car socket.
- **Power Bank Function:** The USB-A port can charge mobile devices.
- **Emergency LED Light:** Three modes provide illumination in dark conditions.

5. Use Guide

5.1 Charging the Inflator

1. Connect a 5V/2A USB-C charger and cable to the USB-C port on the inflator.
2. Plug the charger into a wall outlet. The display may illuminate to indicate charging.
3. Charge fully before first use. Recharge when the battery indicator is low.

Note: When using the 12V DC car socket mode, ensure your vehicle's engine is running to avoid draining the car battery.

5.2 Selecting the Correct Adapter and Attaching the Hose

1. Identify the valve type on your item:
 - **Schrader Valve:** Standard on most car and motorcycle tires. Use the main nozzle directly.
 - **Presta Valve:** Common on bicycles. Screw the Presta valve adapter onto the valve first, then attach the inflator nozzle.
 - **Needle Valve:** For sports balls and inflatables. Attach the needle valve adapter to the hose.
2. Screw the air hose firmly onto the inflator's output port.
3. Attach the appropriate adapter to the other end of the hose if needed.

5.3 Setting the Target Pressure

1. Press the **Power** button to turn on the device.
2. Press the **Function (MODE)** button to select the appropriate preset:
 - **Car:** Default target ~36 PSI.
 - **Motorcycle:** Default target ~36 PSI.

- **Bicycle:** Default target ~65 PSI.
 - **Ball:** Default target ~8 PSI.
 - **Custom (C):** Allows manual pressure setting.
3. In **Custom Mode**, use the **+** and **-** buttons to set your desired target pressure.
 4. Press the **Unit (U)** button to select your preferred pressure unit (PSI, BAR, KPA, KG/CM²).

5.4 Inflating a Tire

1. Remove the valve cap from the tire.
2. Firmly press the inflator nozzle (or adapter) onto the tire valve. Ensure it is seated straight to prevent air leaks.
3. The digital screen will show the current tire pressure.
4. Press and hold the **Power/Start** button to begin inflation.
5. The inflator will run and automatically stop when the target pressure is reached.
6. Check the pressure on the display. If needed, you can repeat the process to add more air.
7. Disconnect the nozzle from the valve and replace the valve cap.

Tip: For more accurate reading, inflate in short bursts and check the pressure periodically, especially for small-volume tires like bicycles.

5.5 Using the LED Light

Press the LED button on the top of the unit to cycle through the modes: Constant Light → Flashing → SOS → Off. Useful for illuminating the tire valve in low-light conditions.

5.6 Using as a Power Bank

Connect a USB cable from the inflator's USB-A output port to your device (e.g., smartphone) to provide emergency power. Ensure the inflator has sufficient battery charge.

6. Safety and Maintenance

- Read all instructions before use.
- Do not operate the inflator continuously for more than 10 minutes. Allow it to cool down between uses to prevent overheating.
- Keep the air vents on the inflator clear of obstructions.
- Do not use the inflator to inflate any item beyond its maximum recommended pressure.
- Store the inflator and accessories in a cool, dry place.

- Use the included anti-scratch silicone covers on the inflator body to prevent damage.
- Check the hose and connectors for damage before each use.
- When using the 12V car socket, ensure the vehicle is in a well-ventilated area and the engine is running.
- This product contains a lithium-ion battery. Do not disassemble, short-circuit, or expose to extreme heat or fire.

7. Troubleshooting

Problem	Possible Cause	Solution
Inflator does not turn on.	Battery is depleted.	Recharge via USB-C or connect to a 12V car socket with the engine running.
Inflation stops immediately or is very slow.	Battery power is low. Loose connection to valve.	Recharge the battery. Ensure the nozzle is firmly and straightly attached to the valve.
Pressure reading is inaccurate or display shows zero.	Leak at valve connection. Sensor error.	Re-seat the nozzle on the valve. Turn the inflator off and on again.
Inflator gets very hot.	Extended continuous use.	Turn off and allow to cool for at least 20 minutes.
Auto-shutoff does not work.	Target pressure not set correctly.	Ensure you are in the correct mode and have set a target pressure. Manually monitor pressure and stop the pump.

8. Warranty and Support

For product support or warranty inquiries, please contact the manufacturer, Lamicall. Refer to the documentation included with your purchase for specific warranty terms and contact information.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

