

## E-SMARTER LIUFR-8003

# E-SMARTER LIUFR-8003 Digital 12V Car Tire Inflator

## User Manual

### 1. INTRODUCTION

Thank you for choosing the E-SMARTER LIUFR-8003 Digital 12V Car Tire Inflator. This device is designed to provide quick and accurate tire inflation for various vehicles and inflatable items. It features a powerful 22mm cylinder, a dual digital display for precise pressure monitoring, and an automatic shut-off function for convenience and safety. Please read this manual thoroughly before use to ensure proper operation and maintenance.

### 2. SAFETY INFORMATION

- Always operate the inflator in a well-ventilated area.
- Do not leave the inflator unattended while in operation.
- Keep out of reach of children.
- Ensure the power source (12V car cigarette lighter) is clean and free of debris.
- Avoid over-inflating tires. Always refer to your vehicle's recommended tire pressure.
- The inflator may become warm during prolonged use. Allow it to cool down between uses.
- Do not use the inflator if it is damaged or if the power cord is frayed.
- This product is not suitable for large trucks or motor trucks.

### 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- E-SMARTER LIUFR-8003 Digital Car Tire Inflator
- Air Hose with Screw Connector
- 4 x Additional Nozzle Adapters (for bicycles, balls, inflatable boats, etc.)
- 1 x Spare Fuse
- Storage Bag

- User Manual

## 4. PRODUCT OVERVIEW

The E-SMARTER LIUFR-8003 tire inflator is designed for ease of use and efficiency. Key features include:

- **Dual Display:** Shows both the current tire pressure and the target preset pressure simultaneously.
- **22mm Cylinder:** Provides faster and more efficient inflation.
- **Auto Shut-off:** Automatically stops inflation once the preset pressure is reached.
- **LED Light:** Integrated for illumination during night-time or low-light conditions.
- **Integrated Storage:** Convenient storage for the 3m cigarette lighter cord and air hose.



Figure 4.1: Front view of the inflator with controls labeled. The display shows preset pressure value, real-time pressure value, and unit. Buttons include ON/OFF, '+', '-', LED Light, and 'R' for switching units.



Figure 4.2: The dual display screen, clearly showing the 'Required Tyre Value' (preset) and 'Current Tyre Value' (real-time) in BAR units.

## 5. SETUP AND OPERATING INSTRUCTIONS

Follow these steps to properly set up and operate your tire inflator:

1. **Start the Car:** Ensure your vehicle's engine is running to provide stable power to the inflator.
2. **Connect Power:** Plug the power connector (cigarette lighter plug) into your car's 12V accessory socket.
3. **Attach Air Hose:** Connect the air hose nozzle tightly to the tire valve stem. Press down the buckle to secure it.
4. **Set Desired Pressure:** The dual display will show the current tire pressure. Use the '+' and '-' buttons to set your desired target pressure. Press the 'R' button to cycle through pressure units (PSI, BAR, KPA, kg/cm<sup>2</sup>).
5. **Start Inflation:** Press the ON/OFF button to begin inflation. The inflator will automatically stop once the preset pressure is reached.
6. **Disconnect:** Once inflation is complete, disconnect the air hose nozzle from the tire valve and unplug the power connector from the car's socket. Store the hose and cord in their designated compartments.

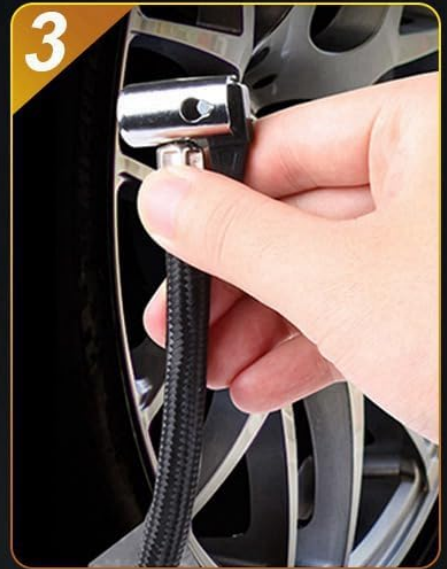
# EASY TO USE



Start the car



Plug the power connector into the cigarette lighter



Connect the air hose nozzle tightly with the valve, press the buckle



Preset the required tire pressure value



Start inflating. The inflator will turn off once reach preset pressure



Disconnect the air hose nozzle and unplug the power connector.

Figure 5.1: Step-by-step guide for operating the tire inflator, from starting the car to disconnecting the device.

## Memory Function

The inflator features a memory function. Once a target pressure is set, it will be remembered for subsequent uses, eliminating the need to reset it each time for the same pressure.

## LED Light Operation

Press the LED Light button to turn on the integrated LED light for visibility in dark conditions. Press it again to turn it off.

## 6. MAINTENANCE

- **Cleaning:** Wipe the exterior of the inflator with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator in its provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the power cord and air hose are neatly stored in their compartments.
- **Fuse Replacement:** If the inflator stops working, check the fuse in the cigarette lighter plug. Replace it with the provided spare fuse if necessary.
- **Recommended Working Time:** To prevent overheating and prolong the product's lifespan, it is recommended to operate the inflator for a maximum of 10 minutes at a time. After 10 minutes of continuous use, allow the device to rest for 5-10 minutes before resuming operation.

# NOTE!

**RECOMMENDED WORKING TIME: 10 MINS/TIME**

**Suggestion:**

1. After continuously inflating for a period of time (about 10 minutes), the tyre inflator needs to stop and rest for 5-10 minutes to prevent the product from overheating.

2. The heat caused by the product being used for a long time is normal (from the motor), please use it properly in order to avoid heat generation.



 Recommended operation time — 10 Min

 Product Size — 124\*60\*205mm

**E-SMARTER**

Figure 6.1: Important note regarding the recommended working time of 10 minutes per session to prevent overheating.

## 7. TROUBLESHOOTING

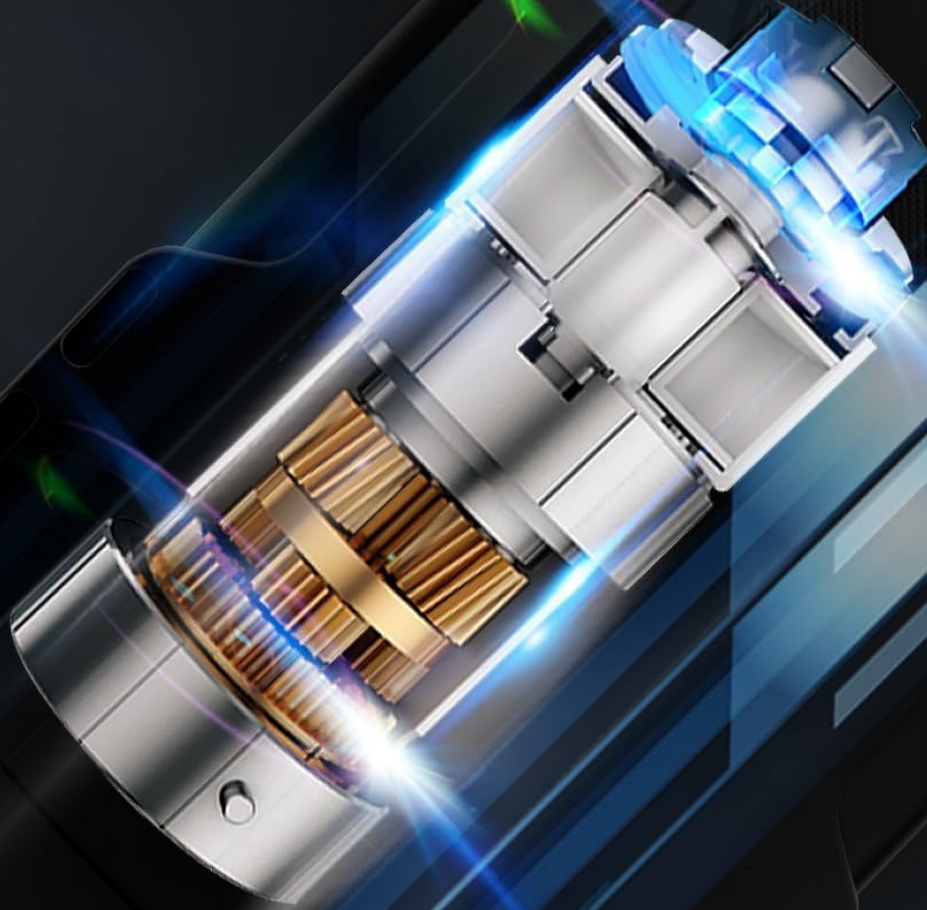
| Problem                          | Possible Cause                                                                  | Solution                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Inflator does not turn on.       | No power from 12V socket; Blown fuse in plug; Loose connection.                 | Ensure car engine is running. Check 12V socket for power. Replace fuse in cigarette lighter plug. Ensure plug is fully inserted.   |
| Slow inflation or no air output. | Air hose not securely connected; Tire valve stem damaged; Inflator overheating. | Ensure air hose is tightly connected to the tire valve. Check tire valve for damage. Allow inflator to cool down for 5-10 minutes. |

| Problem                                    | Possible Cause                                   | Solution                                                                                                         |
|--------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Inflator does not stop at preset pressure. | Sensor malfunction; Extreme pressure difference. | Manually stop the inflator once the desired pressure is reached. Contact customer support if the issue persists. |
| Inaccurate pressure reading.               | Loose connection; Sensor calibration issue.      | Ensure air hose is securely connected. Compare reading with a known accurate gauge.                              |

## 8. SPECIFICATIONS

- **Model:** LIUFR-8003
- **Brand:** E-SMARTER
- **Voltage:** 12 Volts DC
- **Cylinder Size:** 22mm
- **Inflation Rate:** 25 L/min
- **Max Pressure:** Up to 150 PSI
- **Noise Level:** 92 Decibels
- **Color:** Black
- **Package Dimensions:** 23.4 x 13.7 x 7.7 cm
- **Weight:** 910 grams

# UPGRADED 22MM CYLINDER



**20%**

INCREASE INFLATION SPEED BY

**40%**

REDUCE INFLATION TIME BY

Figure 8.1: Illustration of the upgraded 22mm cylinder, indicating increased inflation speed and reduced inflation time.

# LARGE PRESSURE RANGE



Figure 8.2: Visual representation of the inflator's capability to reach up to 150 PSI and its 25 L/min inflation rate.

## 9. WARRANTY AND SUPPORT

E-SMARTER products are manufactured to high-quality standards. For any questions, concerns, or technical support regarding your LIUFR-8003 Digital 12V Car Tire Inflator, please refer to the contact information provided with your

purchase or visit the official E-SMARTER website. Please retain your proof of purchase for warranty claims.

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## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question