

TOPDC TD-S30L

TOPDC TD-S30L Portable Tire Inflator User Manual

Model: TD-S30L

1. PRODUCT OVERVIEW

The TOPDC TD-S30L Portable Tire Inflator is a compact and efficient air compressor designed for inflating tires on cars, SUVs, motorcycles, and bicycles, as well as various inflatable items like sports balls and pool accessories. It features a digital pressure gauge, automatic shut-off function, and an integrated LED light for convenience and safety.

Key Features:

- **Fast Inflation:** Powerful motor with a maximum pressure of 100 PSI.
- **Digital Pressure Gauge:** Provides accurate readings and allows for preset pressure.
- **Automatic Shut-Off:** Stops inflation automatically once the preset pressure is reached.
- **Emergency LED Light:** Features both white illumination and red warning light modes.
- **Multiple Applications:** Includes various adapters for diverse inflation needs.



Image: Internal components illustrating the powerful and efficient design.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the tire inflator. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Ensure the 12V DC power outlet in your vehicle is clean and free of debris. Do not operate the inflator with wet hands or in wet conditions.
- **Over-inflation Hazard:** Do not over-inflate tires or other items. Always refer to the manufacturer's recommended pressure.
- **Overheating:** The inflator may become hot during prolonged use. Allow it to cool down between uses, especially after inflating multiple tires.
- **Children and Pets:** Keep the inflator out of reach of children and pets.
- **Vehicle Engine:** For optimal performance and to prevent draining your vehicle's battery, operate the inflator with your vehicle's engine running.
- **Compatibility:** This inflator is designed for standard vehicle tires and small inflatables. It is **not** suitable for large truck tires or high-pressure industrial applications.

3. PRODUCT COMPONENTS

The TOPDC TD-S30L Portable Tire Inflator package typically includes:

- TOPDC TD-S30L Portable Tire Inflator unit
- 12V DC power cord (integrated)
- Air hose (integrated)
- Various nozzle adapters (e.g., needle valve for balls, cone adapters for inflatables)
- Storage bag (may vary by package)

4. SETUP

Follow these steps to prepare your tire inflator for use:

1. **Start Vehicle Engine:** For optimal performance and to prevent battery drain, start your vehicle's engine.
2. **Connect to Tire Valve:** Screw the air hose connector onto the tire valve stem. Ensure it is tightly secured to prevent air leakage.
3. **Connect to 12V Outlet:** Insert the 12V DC power plug into your vehicle's cigarette lighter socket or auxiliary power outlet.

OPERATION INSTRUCTIONS



Image: Steps 1-3 of the operation guide, showing engine start, connecting to tire valve, and connecting to the 12V outlet.

5. OPERATING INSTRUCTIONS

Once the inflator is set up, proceed with inflation:

1. **Set Desired Pressure:** The digital display will show the current tire pressure. Use the '+' and '-' buttons to set your desired target pressure. You can switch between units (PSI, BAR, KPA, KG/CM²) using the 'M' button. Refer to your vehicle's manual or tire sidewall for recommended pressure.
2. **Start Inflation:** Flip the power switch to the 'ON' position. The compressor will begin inflating.
3. **Automatic Shut-Off:** The inflator will automatically stop once the preset pressure is reached.
4. **Disconnect:** Turn off the power switch, then disconnect the 12V power plug and unscrew the air hose from the tire valve.

Using the LED Light:

The inflator is equipped with an LED light for use in low-light conditions or emergencies.

- **White Light:** Provides illumination for working in the dark.

- **Red Warning Light:** Can be activated for emergency signaling.

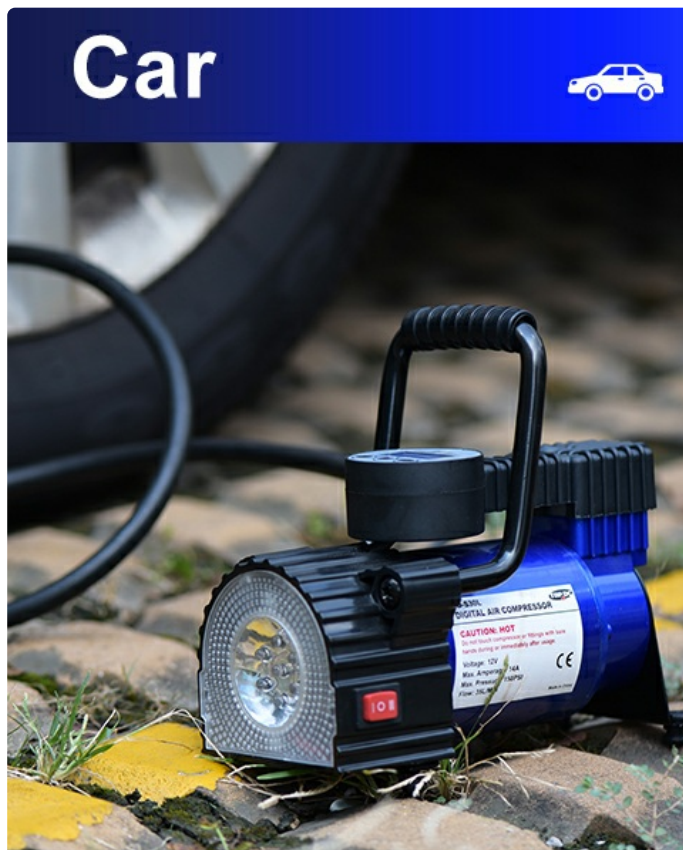


Image: Digital display showing available pressure units (PSI, BAR, KPA, KG/CM²).



Image: Built-in LED light demonstrating white illumination and red warning modes.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your tire inflator.

- **Cleaning:** Wipe the exterior of the inflator with a damp cloth. Do not use harsh chemicals or immerse the unit in water.
- **Storage:** Store the inflator in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the power cord and air hose are neatly coiled to prevent damage.
- **Fuse Check:** If the unit fails to power on, check the 12V DC power outlet fuse in your vehicle and the fuse located within the inflator's power plug. Replace with a fuse of the same rating if necessary.

7. TROUBLESHOOTING

If you encounter issues with your TOPDC TD-S30L, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inflator does not turn on.	No power from 12V outlet; Blown fuse in vehicle or inflator plug; Loose connection.	Ensure vehicle engine is running. Check vehicle's 12V outlet fuse. Check and replace the fuse in the inflator's power plug if blown. Ensure the plug is fully inserted.
Slow inflation or low pressure.	Air leakage; Partially blocked air hose/nozzle; Low vehicle battery voltage.	Ensure air hose is tightly screwed onto the tire valve. Check for kinks or blockages in the hose. Ensure vehicle engine is running to provide adequate power.
Inflator stops before reaching preset pressure.	Overheating protection activated.	Allow the inflator to cool down for 10-15 minutes before resuming operation. Avoid continuous use for extended periods.
Inaccurate pressure reading.	Loose connection to tire valve; Sensor issue.	Ensure the air hose is securely connected to the tire valve. Compare reading with a known accurate tire gauge.

8. SPECIFICATIONS

Specification	Value
Model Number	TD-S30L
Brand	TOPDC
Power Source	12 Volts DC (Corded Electric)
Maximum Pressure	100 PSI
Material	Metal
Hose Length	2.5 Feet
Special Features	Automatic Shut-Off, Emergency LED Light
Sound Level	92 Decibels
Item Weight	2.02 kg
Dimensions (Parcel)	23.2 x 19.7 x 15.5 cm

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact TOPDC customer service directly. Keep your purchase receipt as proof of purchase.

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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

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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