



# ALPHAWORKS PRESET TIRE INFLATOR USER MANUAL



**WARNING:** Thank you for selection our Digital Tire Inflator, please read this manual before carrying out any installation or service procedure. Please keep it away from damp, heat, dust, oils, do not remove, tear or amend any parts of the manual for any reason. It must be made available to the operator and to maintenance personnel, also to ensure staff training. The manufacturer reserves the right to change product features at any time.

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Through the manual the following symbols will be used, this information is for your safety and to prevent damage to this product.



**CAUTION**

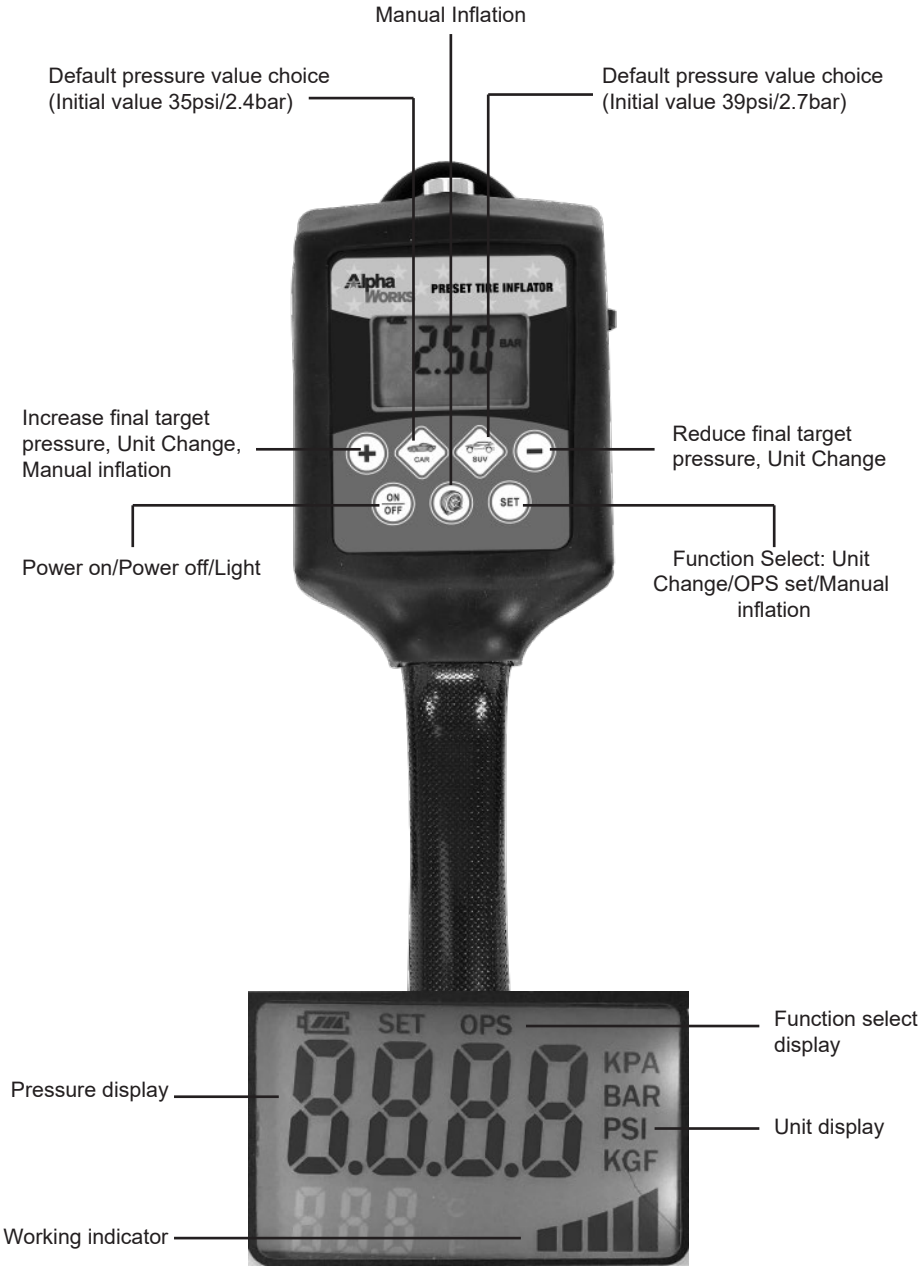
The hazard or unsafe practice could result in minor injury



**WARNING**

The hazard or unsafe practice could result in severe injury or death

# Control Panel



## FUNCTION AND OPERATION

The device is including the OPS (over pressure setting) function.

### 1. Unit select

Device has four units can be chosen by the user which is kpi-psi-bar-kgf. Unit set here will become default unit for following usage, do not need to set unit each time.

- ① Press **【SET】** , **【SET】** will be shown on the LCD screen, and the unit will be flashing.
- ② Press **【+】** or **【-】** to choose the unit.
- ③ Press **【SET】** to confirm.

### 2. Set OPS

- ① Press **【SET】** twice, **【SET】** and **【OPS】** will be shown on the LCD screen, **【OPS】** will be flashing.
- ② Press **【+】** or **【-】** to choose the OPS value.
- ③ Press **【SET】** to confirm. If OPS value is not zero, **【OPS】** will be displayed on the LCD screen.

### 3. Manual inflation

If tire pressure is lower than 3 psi or 0.2 bar, device will not start automatically.

- ① Press **【 】** to start manually.

### 4. Set default preset pressure value

**【CAR】** initial value is 35psi/2.4bar, **【SUV】** initial value is 39 psi/2.7 bar. The preset pressure value can be reset by the user, the set here will be saved for following usage. But it reverts to the initial value after unit set.

- ① Press **【CAR】** or **【SUV】** , **【CAR】** preset value or **【SUV】** preset value will be shown on the LCD screen.
- ② Press **【+】** or **【-】** to choose preset pressure value.
- ③ Press **【SET】** to confirm.

### 5. Inflation and Deflation

- ① Press **【CAR】** or **【SUV】** to select default preset pressure.
- ② Press **【+】** or **【-】** to adjust target pressure.
- ③ Connect with tire, ensure no air leaks, inflator will work automatically.
- ④ When inflation is finished, machine will stop automatically and BEEP to remind users.
- ⑤ Disconnect the air hose from tire, finish inflation.

### 6. Power on/Power off/Backlight

Press **【ON/OFF/LIGHT】** two seconds to turn on.

press **【ON/OFF/LIGHT】** to turn on backlight when the device power on.

press **【ON/OFF/LIGHT】** three seconds to turn off.

## REMARK

1. Press **【SET】** to enter the function setting mode. After select the unit, press **【SET】** again to enter the **【OPS】** setting directly, press **【SET】** four times the device will quit out of the setting mode without save any selection.
2. When OPS function is on, device will inflate to target pressure plus OPS value first, then deflate to tire pressure desired, for example: A final target of 32 psi or 2.2 bar with an OPS setting of 16 psi or 1.1 bar gives a sum of 48 psi or 3.3 bar. This sum of 48 psi or 3.3 bar is the Over Pressure setting for tire. Tire will inflate to the sum value and deflate to the final target pressure.
3. During inflation, device will check tire pressure automatically, rolling bar will be on, left to right means inflating, right to left means deflating.



### WARNING

To avoid the risk of personal injury, especially to the eyes, face or skin. DO NOT direct the air stream at any person.



### WARNING

This equipment is not intended for use by children without adult supervision.



### WARNING

When using the OPS function, the sum pressure must not exceed the tire manufacturer's maximum inflation pressure.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Air leak	Leak in the connection	Check the pneumatic Connection
The inflator works, But no air inflated	Obstruction in filters or in air system	Clean the filters and check the air tube
No display	Flat battery	Recharge battery
Inflation does not start, although the pressure is set and the hose is connected with tire	Air hose improperly connected	Check the hose connection, make sure that no air leaks
	Tire pressure is below 3psi (0.2bar)	Manual inflation
The unit deflates very slowly	The silencer plug on is blocked	Remove and clean the silencer plug
Err1	Pressure sensor broken	Power off, change pressure sensor
Err2	Unstable pressure, faulty hose connector	Replace hose connector or re-connect hose to the tire
Err3	Connected Tire pressure is too high pressure > 188.5psi (13bar)	Stop inflating this tire
Err4	Wrong connections at air inlet and outlet	Refer to wiring diagram and connect magnetic valve accordingly
Err5	battery low	Please recharge the battery
Err8	Air supply lower than set inflate pressure	Stop inflating this tire

## MAINTENANCE

### 1. Daily Maintenance

The device does not require maintenance, routine check of the pneumatic connection is suggested. Daily maintenance should be carried out by qualified personal.

### 2. Special Maintenance

All the maintenance not included in Daily maintenance are special maintenance, which should be done by qualified personal. Authorized agent could be contacted for it.

### 3. Warranty

This Handheld Automatic Tire Inflator is warranted for 1 year, except for that the products have been damaged by misuse, faulty installation, incorrect maintenance or accidental damage, unauthorized modification or repair, force majeure. Warranty does not cover air hoses, hose connectors (hose chucks).

#### Note:

1. When battery power is only at one bar, please charge it soon to avoid Err5.
2. All faulty PCBs that are within the warranty period are to be returned to factory for assessment and repairs. PCBs with are found to be burnt due to water damage will not be covered under any warranty.

## GENERAL SPECIFICATION

Inflation Range:	7-174 psi (1200 kpa/12 bar /12 kgf)
Accuracy:	+/-0.3psi (0.02bar)
Max Inlet Air Supply:	180 psi (12.5 bar)
Supply voltage:	DC 12V (Li-ion) battery 2200 mAh
The charger voltage:	AC 110-240V (50-60Hz)
Watt:	12W Max.
Working Temperature:	14°F~122°F(-10°C~50°C)
Relative Humidity:	up to 95% RH non-condensing





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