

## 6.0 General Specification

Inflation Range:	0.5-12bar (1200kpa/174psi/12kg/cm <sup>2</sup> )
Accuracy:	+/-0.02bar (+/-0.3psi)
Max Inlet Air Supply:	12.5bar (180psi)
Supply voltage:	DC 12V rechargeable battery
The charger voltage:	AC 110~240V (50~60Hz)
Watt:	12W Max.
Working Temperature:	-10°C~50°C (14°F~122°F)
Relative Humidity:	up to 95% RH non-condensing

# HA100 USER MANUAL

- \* Operating Instruction
- \* General Specification
- \* Installation and Maintenance

Thank you for selection our Handheld Automatic Tyre Inflator, please read this manual before carrying out any installation or service procedure.

This manual is an integral and essential part of the product, 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.

If case of loose or damage, ask the manufacturer for a copy, quoting the manual code. The manual must always remain with the machine, in the event of the machine being sold, it must be given to the new user.

**The manufacturer reserves the right to change product features at any time.**

## **5.0 Maintenance**

### **1. Daily Maintenance**

The device does not require particular 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 model wall-mounted tyre inflator is warranted for 1 year from the date of invoice, except for that the products has 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: 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.

## 4.0 Troubleshooting

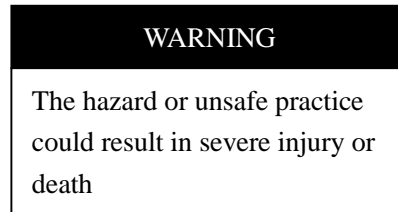
PROBLEM	POSSIBLE CAUSE	SOLUTION
Air leak	Leak in the connection	Check the pneumatic Connection
The inflator works, But no air inflated	Obstruction in filters or in air system	Clean the filters and check the air tube
No display	Flat battery	Recharge battery
Inflation does not start, although the pressure is set and the hose is connected with tyre	Air hose improperly connected	Check the hose connection, make sure that no air leaks
	Tyre pressure is below 0.2bar (3psi)	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 tyre
Err3	Connected Tyre pressure is too high pressure> 12.5bar (180psi)	Stop inflating this tyre
Err4	Wrong connections at air inlet and outlet	Refer to wiring diagram and connect magnetic valve accordingly
Err8	Air supply lower than set inflate pressure	Stop inflating this tyre

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## 1.0 Introduction

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



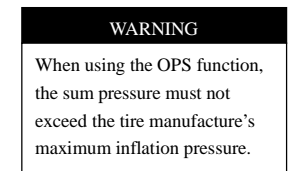
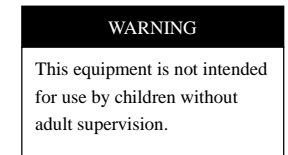
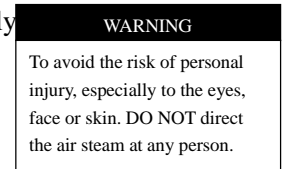
### 6. Power on/Power off/Backlight

**When battery flashing on the LCD screen please recharge the battery.**

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
2. press **【SET】** four times the device will quit out of the setting mode without save any selection .
3. When OPS function is on, device will inflate to target pressure plus OPS value first, then deflate to tyre 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 tyre. Tyre will inflate to the sum value and deflate to the final target pressure.
4. During inflation, device will check tyre pressure automatically, rolling bar will be on, left to right means inflating, right to left means deflating.



### 3. Manual inflation

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

- ① Press **【SET】** thrice, the current pressure will be shown on the LCD screen.
- ② Press **【+】** to start manually.

### 4. Set default preset pressure value

**【P1】** initial value is 15psi/1bar, **【P2】** initial value is 30psi/2.1bar. 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 **【P1】** or **【P2】**, **【P1】** preset value or **【P2】** 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 **【P1】** or **【P2】** to select default preset pressure.
- ② Press **【+】** or **【-】** to adjust target pressure.
- ③ Connect with tyre, 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 tyre, finish inflation.

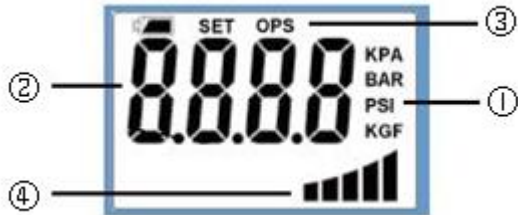
## 2.0 HA100 Control Panel



Switch Function:

- 【-】** :Reduce final target pressure, Unit Change
- 【+】** :Increase final target pressure, Unit Change, Manual inflation
- 【SET】** :Function Select: Unit Change/OPS set/Manual inflation
- 【ON/OFF/LIGHT】** :Power on/Power off/Light
- 【P1】** :Default pressure value choice(Initial value 15psi/1bar)
- 【P2】** :Default pressure value choice(Initial value 30psi/2.1bar)

LCD display:



- ① Unit display
- ② Pressure display
- ③ Function select display
- ④ Rolling Bar

### 3.0 HA100 function and Operation

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

Operation

#### 1. Unit select

Device has four units can be chosen by the user which is kpa-psi-bar-kg/cm<sup>2</sup>

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 at the LCD screen.
- ④ Manual inflation ( See below points) .