

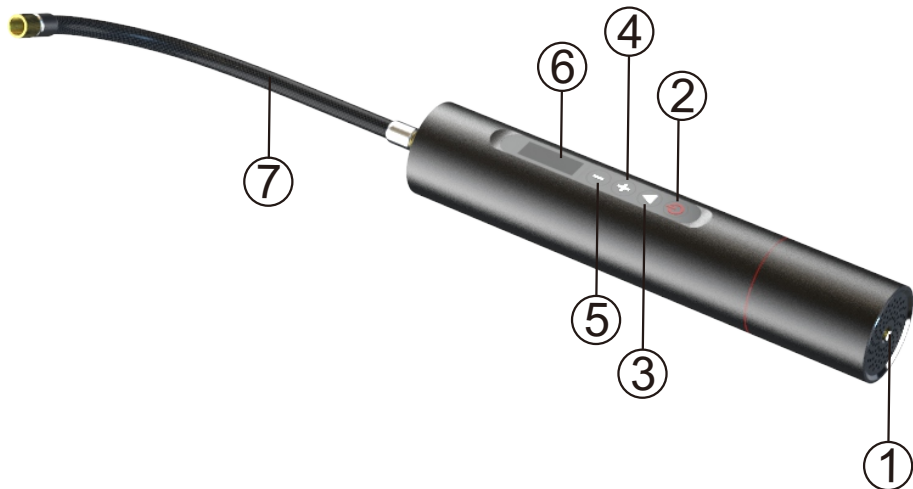
NORSHIRE Tire Inflator

Operating Instruction Book



Please read this manual carefully before using the product and keep it properly

Product Introduction



① Power or charging interface

This is the power input hole and the charging input hole, the allowable input voltage is 10~14.6V.Exceeding 14.8V will damage the battery. If the battery runs out,You can use the USB charger to charge.It can also be directly plugged into the power cord of the cigarette lighter to continue to use.

② Power button

System power switch. After the system is on, you can press this button to close, or wait 15 minutes for automatic shutdown. After shutting down, the battery enters the energy-saving sleep state, and the battery loses about 1% every month. It is recommended to charge it every 3 months. Full power storage is recommended for storing. Long press the power button for 3 seconds to unlock or lock the screen.

③ Start or stop button

After turning on the power button, press this button to start the air pump, and press again to close the air pump. In order to avoid overheating, the air pump will automatically stop after continuous operation for more than 3 minutes. When the set upper air pressure limit is reached or the temperature exceeds the temperature or the battery power is insufficient, it will stop automatically. After closing the power button, press this keyboard to enter the unit switching interface. Press + or - to switch the air pressure display unit. Press the power button to infuse it.

④ Add key

In the boot state, press this button to increase the upper limit of tire pressure. The upper limit of intermediate version can be increased to 5 bar, and the upper limit of the advanced version can be increased to 12 bar. In the off state, this button is the unit switch button.

⑤ Reduce key

In the boot state, press this button to increase the tire pressure limit. In the shutdown state, this key is the unit switch key.



⑥ Display

The display is a 128*32 resolution LED self-illuminating dot matrix display with the following meanings:
2.3: the upper limit of tire pressure, the upper limit of intermediate version is 5, and the upper limit of advanced version is 12. Press +- keyboard to adjust, and the air pump will stop automatically when inflating.
25C: this value is the internal temperature of the machine. The fan is turned on when the temperature exceeds 40°C and the air pump stops automatically when the temperature exceeds 80°C.
0000: The currently detected tire pressure value. 0.1 is the accuracy.
PSI: tire pressure unit, you can switch the unit by pressing the start button in the off state.
Battery: The percentage of the battery is displayed. When the voltage is too low, the X needs to be charged immediately. If it is too high, the XX needs to stop charging immediately to avoid damage to the battery.

⑦ Trachea

Tire inflation tube, you need to tighten the air tube to avoid air leakage. Air outlet can be equipped with ball needles to inflate the basketball or other adapters to inflate special equipment.

Engineering mode:

Zero calibration:

1. Remove the air pipe and do not connect the air pipe during zero point calibration.
2. Lightly touch the power button to shut down, and be careful not to press and hold the power button for 3 seconds.
3. Press--+ in the shutdown state, and then enter the zero point calibration engineering mode.
4. Press the triangle symbol to automatically calibrate and save, restart the machine, if the air pressure is 0.0, it proves that the zero point calibration is successful.

Note: The purpose of this is to make $vairP=vairN$, then the air pressure of the system will return to zero. The difference between $vairP$ and $vairN$ determines the size of the air pressure. Normally, $vairP=vairN=0.63$, and a certain error is allowed.

Pressure calibration:

1. At this time, it is allowed to connect the trachea and professional calibration instruments.
2. Lightly touch the power button to shut down, and be careful not to press and hold the power button for 3 seconds.
3. Press ++ – in the shutdown state, and then enter the air pressure calibration engineering mode.
4. Press + or – to adjust the value of Value. If the air pressure on the NORSHIE display is higher than that of the meter, press–to decrease the value of Value. If the air pressure on the NORSHIE display is lower than that of the meter, press the + key to increase the value of Value. Until it is closest to the meter.
5. Press the triangle button to save.

Note: The Value is only a reference mathematical value. Due to differences in manufacturing processes, the ‘u’ value of each device is different. The average reference value is Value=170u.

Switch unit

Unit conversion: 1 BAR = 1 Kg / cm² = 14.5 PSI = 100 KPA

First press the power button to turn off, then press the triangle symbol, the current unit will be displayed on the screen, and then press + or–to switch the unit.

Tire pressure reference range

Car tire: 2.4BAR=34.8PSI

Truk tire:5~7BAR

Road Bike tire: 8.3BAR=120PSI

Normal Bike tire: 2.65BAR=38.4PSI

Motorcycle tire:2.75BAR=40PSI

Basketball: 0.55BAR=8PSI

Football: 0.6BAR=8.7PSI

Detailed parameters

Charging current:14.6V/0.3A Power:56W Battery:2000mah/3.6V

Airflow:35/50L/Mine Maximum pressure: 5/12KG/Bar Rotating speed: 30000/Min

After sales service

If you encounter any quality problems, or any questions, please contact us by email: service@norshire.com

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