

JAMEC PEM

TYRE INFLATOR PORTABLE DIGITAL AUTOMATIC - AUTO1000 ACS3500



OPERATING INSTRUCTIONS

PRODUCT NO.

- 11.0612** - 1500 mm Hose - Tyre Inflator Portable Automatic - Auto1000
- 11.06120S** - 1500 mm Hose - Tyre Inflator Portable Automatic - Auto1000
- 11.06120S2** - 2700 mm Hose - Tyre Inflator Portable Automatic - Auto1000
- 11.0612NA** - 5' Hose - Tyre Inflator Portable Automatic - Auto1000



**FULLY PORTABLE
& RECHARGEABLE**
LITHIUM-ION

**UK
CA**

**CE COMPLIES WITH
EN12645: 2014***

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TYRE INFLATOR

PORTABLE DIGITAL AUTOMATIC - AUTO1000

ACS3500

The Jamec Pem Portable Digital Automatic - Auto1000 ACS3500 Tyre Inflator is the first truly portable automatic tyre inflator with all the features of a larger wall mounted unit, connected to an air source, all you need to do is pre-set the required pressure, place the chuck on the tyre valve and the built-in auto start inflates/deflates the tyre to the specified pressure.

FEATURES

- Highly accurate ceramic sensor
- Includes Certificate of calibration
- Two programmable pre-set buttons
- Multi-scale gauge
- Large LCD backlit digital display
- Audible warning once pressure is reached
- Accuracy exceeds EC Standards
- Auto on upon pressure sensing
- Auto off after 90 seconds
- OPS (Over Pressure Setting) function that allows the tyre to be inflated to a certain pressure then deflates automatically to a normal operating pressure, used for seating tyres on rims
- Fully portable with built-in rechargeable
- Lithium-ion battery
- IP rated

SPECIFICATIONS

Part No.	11.0612	11.06120S	11.06120S2	11.0612NA
Operation	Auto inflate / deflate / measure			
Supply pressure max.	182 psi			
Max. inflation	174 psi			
Chuck type	Clip on			
Chuck style	Single straight			
Scale	psi, kPa, bar, kgF			
Inlet size	1/4" BSP			1/4"
Hose length	1500 mm	1500 mm	2700 mm	5'
Accuracy	Measurement ± 1 psi @ 25 – 75 psi Reading 0.1 psi			
Inflation volume L/min	2500 L/min @ 182 psi			
Power source	DC 12V rechargeable battery (Li-ION)			
Battery life (continuous use)	10 – 15 hrs			
Auto OFF	90 sec			
IP rating	IP44			
Weight	1.2 kg			2.64 lbs
Advised application	Workshops, mobile fitting			
Packaging	Jamec Pem box			

MAINTENANCE

The device does not require particular maintenance, routine check of the air connections is suggested. In the event that maintenance is required it should be carried out by qualified personnel.

IMPORTANT

This tyre inflator must only be connected to air line systems which have clean dry air. Any moisture in the air line system may cause damage to the operation of this tyre inflator and void warranty.

Air pre-filters must be used with this inflator to ensure product accuracy and longevity.

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



COMPONENTS LIST

PLEASE CHECK AND MAKE SURE THAT THE FOLLOWING COMPONENTS ARE COMPLETE IN THE PACKAGE.

- Portable Digital Automatic - Auto1000 ACS3500 Tyre Inflator
- Hose 1500 mm (11.0612 & 11.06120S) 2700 mm (11.06120S2) 5' (11.0612NA)
- 1/4" BSP (11.0612, 11.06120S & 11.06120S2), 1/4" (11.0612NA)
- Hot shoes* and charger (AU, UK, EURO, USA)
- User manual

CONTROL PANEL

BUTTON FUNCTION

P1: Programmable button (Initial value 15 psi / 1 bar)

P2: Programmable button (Initial value 30 psi / 2.1 bar)

ON/OFF/LIGHT: Power on/Power off/Light

(+): Increase target pressure, unit change, manual inflation

(-): Reduce target pressure, unit change

(SET): Function Select: Unit change / OPS set / manual inflation

LCD DISPLAY

1. Unit display
2. Pressure display
3. Function select display
4. Working indicator



FUNCTION AND OPERATION

This device includes the OPS (Over Pressure Setting) function used to inflate and seat tyres on the rim.

OPERATION

UNIT SELECT

The device has four different scales that can be chosen by the user which is kpa /psi /bar /kgf. Setting the unit here will be the default unit for all future inflation, until changed.

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.

SET OPS (OVER PRESSURE SETTING)

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.

MANUAL INFLATION

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

1. Press (SET) three times, the current pressure will be shown on the LCD screen.
2. Press (+) to start manually.

SET PROGRAMMABLE BUTTONS

(P1) initial value is 15 psi /1 bar, (P2) initial value is 30 psi /2.1 bar. The preset pressure value can be reset by the user, setting it here will save it for following usage. But it reverts to the initial value after a unit set change.

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.

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 start automatically.
4. When inflation is finished, the device will stop automatically and BEEP to remind the user.
5. Disconnect the air hose from tyre.

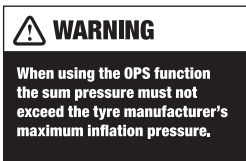
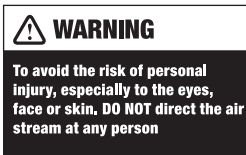
POWER ON/POWER OFF/BACKLIGHT

1. When battery indicator is flashing on the LCD screen please recharge the battery.
2. Press (ON/OFF/LIGHT) two seconds to turn on.
3. Press (ON/OFF/LIGHT) to turn on backlight when the device is on.
4. Press (ON/OFF/LIGHT) for three seconds to turn off.



NOTES:

1. Press (SET) to enter the function setting mode. After selecting the unit, press (SET) again to enter the (OPS) setting.
2. Press (SET) four times and the device will exit out of the setting mode without saving any selection.
3. When OPS function is selected the device will inflate to target pressure plus the 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. The tyre will inflate to the sum value and deflate to the final target pressure
4. During inflation, the device will check tyre pressure automatically, the working indicator will be on, left to right means inflating, right to left means deflating.
5. **Flat tyre inflation:** First inflate tyre to 1 bar, then stop. To continue inflating, press '+' button. The unit will continue to inflate to the set pressure value.
6. **Stopping inflation and deflating:** At any time during the inflating process, press the '-' button to stop inflating. The unit will display '-P-'. Press the '-' button again and the unit will deflate the tyre to 0.2 bar.



SAFETY

Never exceed the maximum pressure of the tyre. Check that the hose and chuck are in good condition with no damage or cracks. Ensure safe working environment when using compressed air. Return to authorised service agent for repair and maintenance.

WARNING

- This unit must be used with clean dry air. Therefore an air filter and or water trap must be used with this unit to ensure its continued reliability.
- Moist air entering this unit will affect the pressure sensors and may cause the electronics to fail.
- Please ensure only airline systems with clean dry air are connected to this tyre inflator.
- Product warranty will be void if moisture enters the tyre inflator.
- To avoid risk of personal injury, especially to the eyes, face and skin DO NOT direct the air stream at any person, or any part of the body.
- This equipment is not intended for use by children without adult supervision.
- The manufacturer reserves the right to change product features at any time without notice.

WARRANTY NOTE

- This unit must be used with clean dry air. Therefore an air filter and or water trap must be used with this unit to ensure its continued reliability.
- Moist air entering this unit will affect the pressure sensors and may cause the electronics to fail.
- Please ensure only airline systems with clean dry air are connected to this tyre inflator.
- Product warranty will be void if moisture enters the tyre inflator.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Air leak	Leak in the connection	Check the connection
The inflator works, but no air is flowing	Obstruction in filters or in air system	Clean the filters and check the air source
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 0.2 bar (3 psi)"	Manual inflation
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 12.5 bar (180 psi)	Stop inflating this tyre
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 tyre

CALIBRATION CERTIFICATE

This Tyre Inflator Part Number: 11.0612, 11.06120S, 11.06120S2 and 11.0612NA has been calibrated in its normal working position on test equipment with an accuracy that is traceable to standards according to: **EN12645: 2014**

Serial Number:

Date:

ALLOWABLE TOLERANCE

PSI	Tolerance	Range
± 1.2	Up to and including 58 psi	
± 2.3	Between 58 & 145 psi inclusive	
± 3.6	Greater than 145 psi	

TEST RESULTS

REFERENCE PRESSURE PSI	29.0	58.0	87.0	116.0
DISPLAY PRESSURE PSI				

UK CA **CE** COMPLIES WITH **EN12645: 2014***

* Tyre pressure measuring Instruments, devices for Inspection of pressure and/or Inflation/Deflation of tyres for motor vehicles.

IMPORTANT

No responsibility is accepted for incorrect use of this product.

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HOW TO MANUALLY CALIBRATE AUTO1000 AUTOMATIC TYRE INFLATOR 11.0612



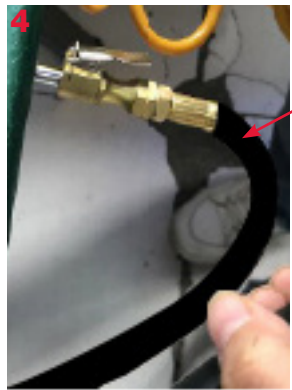
To begin ensure that the inflator is turned off and the screen is blank. To begin, hold down the "+" and "-" buttons at the same time



Whilst still holding down the "+" and "-" buttons also press the "on/off" button. The display will show one of the following codes: 05C, 05D, 05F, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 06A, 06B, 06C.



Next press the "SET" button. The display then will show "CAL".



Connect the inflator chuck to a 7 BAR air supply. Note: this must be exactly 7 BAR



Press the "on/off" button to turn on the inflator. Numbers will appear on the display. Press "SET" once the numbers either: - No longer fluctuate - First two digits are fixed and the last two digits continue to fluctuate



Once set - the display will show 7.00BAR. The manual calibration of the inflator is now complete.

Disclaimer: The manual calibration is only available on models that were manufactured after Sept 2019