Start-Up Instructions

1. Plug in unit
2. Secure BVM with velcro straps
3. Push power switch ON
4. Push Clear Alarm
5. Adjust Settings
6. Push Run to begin

Reset Pressure Sense to 0

1. Disconnect tubing from BVM
2. Push Settings, turn to Calibrate Pressure Sensor, Push Settings
3. Reconnect tubing to BVM

Pressure Indicator
The pressure display shows the instantaneous pressure in the patient's circuit. This device doesn't support pressure control.

Clear Alarm
To reset any tripped alarms press the Clear Alarm button. The alarm will stop sounding and then the alarm text will appear on the screen. Go to settings menu to view past 1000 raised alarms. Hold down for 2 sec. to silence alarm for 2 min.

Stop
The Stop mode is a mode in which the AustinP51 is not assisting their breathing in any way.

Run/Mode
The Run/Mode button allows the user to run the unit in Controlled Mechanical Ventilation (CMV) mode.

Measure
When the measure button is selected the unit will take a peak and plateau measurement. The screen will then show peak/plateau pressure values.

User Interface

PEEP (cm H₂O) Indicator
The PEEP indicator shows PEEP levels and is measured once a cycle. PEEP levels should be adjusted using the PEEP dial on the patient circuit.

Threshold (cm H₂O)
Threshold is the amount below the PEEP pressure at which a breath will be triggered. (This only applies to Assist Control ventilation mode which is not currently available.)

Inspire:Expire Ratio
Inspire:Expire (I:E) Ratio dial sets the inspiratory:expiratory time ratio. To set i-time directly, push in on the dial.

Respiratory Rate
The Respiratory Rate dial allows for a set number of breaths per minute to be input into the respirator.

Tidal Volume
Tidal volume is the volume of air delivered to the patient’s lungs by the respirator and is measured in mL. It adjusts the tidal volume in 25 mL increments.

Settings
Settings dial options are: Back, Alarm Log, Alarm Pressure, Max Pressure, Threshold Delay Percent, RR(BPM) Alarm, Calibrate Pressure Sensor, View Runtime, and Software Version.

System will beep

Quick Guide

The AustinP51 is intended to treat adults during the Covid-19 pandemic and should only be used when no other FDA approved ventilators are available.

A clinician is required to closely monitor and evaluate the patient for tidal volume, respiratory rate, oxygen flow, moment to moment SPO₂, and end-tidal CO₂ levels.

Only the following BVMs should be used with the AustinP51: Ambu Spur II (part #523211000), and Ambu Spur II (part #524611001).

Using BVMs not listed here or in the manual could result in malfunctions that could cause serious harm or injury to the patient.

Air Boost

The AustinP51 is not intended for use in the hyperbaric environment.