



BIO-MED
DEVICES

TV-100 Quick Reference

Pre-Use Setup

- Connect 50 psi oxygen supply (if the full range FiO₂ is desired)
- Connect power cord (unless choosing to run off replaceable batteries)
- Install correct circuit and pneumotach (flow sensor) for intended patient

Mode Setup and Initiating Ventilation

- Turn on ventilator by depressing power switch on front of unit
- Select patient type that will be ventilated: Neonate – Pediatric – Adult
 - Previous patient would bring up last parameters and settings used or set
- The Bio-Med Devices circuit for each patient type will automatically be selected
- Select CONTINUE (see below for Setup Assistant options)
- Select MODE and select desired mode of ventilation
- Work through each parameter to set desired settings for patient
 - Note: Many of the alarm parameters can be set while setting the parameters
 - Choose ALARMS to set remaining alarm limits: Vte, MVe, Peak Pressure, Mean Pressure
- Start Ventilation by pressing the START/STOP VENTILATION key on the Parameters or Main screen

Main Screen Adjustments

- Choose PAGE LAYOUT on Main screen
- Select the desired range for the pressure bar graph: 0-60 cm or 0-120 cm
- Select which 2 wave forms to display on the Main screen (OK to confirm)
- Adjust the scale and speed of the wave forms with the +/- key at bottom left of screen

Special Keys

- PRE-OX key will increase oxygen level to 100% for one minute in Pediatric or Adult mode for 60 seconds, or will increase oxygen level by 10 points higher than current setting in Neonatal (providing oxygen is connected). Note: pressing again before 60 seconds will cancel
- On Lung Mechanics screen, INSP HOLD can be pressed quickly to display Static Compliance and Plateau Pressure. It can also be used for an extended Inspiratory hold for up to 15 seconds. After pressed, this key will be unavailable for 20 seconds. EXP HOLD can be pressed to report Auto PEEP value.
- MANUAL BREATH key will initiate a manual breath
- All three wave forms, as well Vol/Press and Flo/Volume loops are available on Graphs screen

Setup Assistant

- After selecting patient type, SETUP ASSISTANT can be chosen. In Adult Mode, BASIC can be selected whereby the user would enter the sex and height of the patient and a 7 ml/kg tidal volume will be set according to the ideal body weight formula, ventilation can be started in Volume-AC Mode (or mode or any parameters can be adjusted). Choosing ADVANCED Setup Assistant in Neonatal, Pediatric or Adult Mode will present parameters to be set, one at a time, until finished

Power OFF

- Touch and hold power button, then confirm POWER OFF
- Touch alarm quiet button to silence alarm