

HAL[®] S1030

Dynamic Airway and Lung Compliance Simulator

Highlights

- Articulating adult HAL[®] full size body
- Modify scenarios or create your own
- Intubatable and programmable airway
- Connect our simulator to your REAL ventilator
- Ten levels of static compliance, from 15 to 90 mL/cm H₂O
- Five levels of independently controlled airway resistances
- Specify inspiratory time and rate, inspiratory/ expiratory ratio, and lung sounds
- Capable of A/C and PCV modes of ventilation
- Capable of assisting the ventilator at variable respiratory rates
- Capable of holding PEEP
- CO₂ exhalation
- Use dynamic lung mechanics throughout your entire scenario
- Pre-programmed airway and lung pathologies
- UI shows real time feedback from mechanical ventilator



Features

- BVM, intubate or mechanically ventilate
- Program tongue edema, pharyngeal swelling and laryngospasm
- Practice intubation and management of anatomic and pathologic conditions
- Ten levels of static compliance, from 15 to 90 mL/cm H2O
- Five levels of independently controlled airway resistances
- Capable of A/C and PCV modes of ventilation
- Capable of assisting the ventilator at variable respiratory rates
- Capable of holding PEEP
- CO2 exhalation
- Specify inspiratory time and rate, inspiratory/ expiratory ratio

- Pre-programmed airway and lung pathologies including
 - + Asthma
 - + Chronic Bronchitis
 - + CHF
 - + Emphysema
 - + Pneumothorax
- Set Inspiratory Effort Rate to trigger the ventilator
- Specify four anterior and four posterior lung sounds, upper right, upper left, lower right, or lower left
- Change our pre-programmed pathologies or create your own
- Create scenarios using our proven, easy to use, HAL software
- Connect our simulator to your REAL ventilator, which can be set by volume or pressure

Other

- Articulating adult HAL® full size body
- USB connections
- 100-240 VAC

Includes

- Laptop with 11 inch display
- Carrying case with rollers
- Instruction Manual

Also available as:

- Optional add-on for the HAL 3101 or 3000 tetherless simulator

User Interface

Status window shows HAL's current physiologic state

Program tongue edema, pharyngeal swelling and laryngospasm

Specify four anterior and four posterior lung sounds, upper right, upper left, lower right, or lower left

Five levels of independently controlled airway resistances

Specify inspiratory time and rate, inspiratory/expiratory ratio

Ten levels of static compliance, from 15 to 90 mL/cm H2O

Set Inspiratory Effort Rate to trigger the ventilator

UI shows real time feedback from mechanical ventilator

Automatic event log detects intubation and ventilations

Click the NOW button to change HAL's condition instantly, or click one of the other buttons to create a trend.