



Emergency Care & Trauma

# Improve patient safety

## SimMan<sup>®</sup> Essential

A realistic, full-body adult, wireless patient simulator, SimMan<sup>®</sup> Essential offers comprehensive clinical functionality to teach the core skills of airway, breathing, cardiac, and circulation management.

Manage SimMan Essential and all other Laerdal PC-operated simulators with the LLEAP unified software platform. This means you will find scenarios, conduct simulation training, and develop new scenarios to help meet your learning objectives with greater ease.

### SimMan<sup>®</sup> Essential

#### **Multiple Airway Skills/Features**

- · Controllable open/closed airway; automatically or manually controlled Head tilt/Chin lift
- Jaw thrust with articulated jaw
- Suctioning (Oral and Nasopharyngeal)
- Bag-mask ventilation
- Orotracheal/Nasotracheal intubation • Combitube, LMA, and other airway placement
- Endotracheal tube intubation
- Retrograde intubation
- Fiberoptic intubation
- Transtracheal jet ventilation
- Needle/Surgical cricothyrotomy
- Variable airway resistance on/off
- Right mainstem intubation
- Stomach distention

#### **Airway Complications**

- Can't intubate/Can ventilate
- Can't intubate/Can't ventilate
- Detection of proper head position
- Tongue edema
- Pharyngeal swelling
- Laryngospasm
- Trismus

#### **Breathing Features**

- Simulated spontaneous breathing
- Bilateral and unilateral chest rise and fall
- CO2 exhalation

400-09201

400-09501

**OPTIONAL ACCESSORIES** 

212-07150 Rugged Carry Case 210-01750 Compressor

- Normal and abnormal breath sounds - 5 anterior auscultation sites
- 6 posterior auscultation sites

ORDERING INFORMATION

213-02155 SimMan Essential Medium

Includes: SimMan Essential Manikin with Fully Articulating Pelvis,

Microphone, Storage Bag, I Year Manufacturer's Warranty

214-02155 SimMan Essential Bleeding Medium 214-02255 SimMan Essential Bleeding Dark

214-02355 SimMan Essential Bleeding Light

400-10201 Laptop Instructor/Patient Monitor

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LLEAP Software and License, Simulated Patient Cables, USB Headset/

Includes: SimMan Essential Bleeding Manikin with Fully Articulating Pelvis, LLEAP Software and License, Simulated Patient Cables, USB

Headset/Microphone, Storage Bag, I Year Manufacturer's Warranty

Tablet-PC Instructor/Patient Monitor

Rugged Tablet Instructor/Patient Monitor 400-29301 All In One Panel PC Instructor/ Patient Monitor

For more information, visit Laerdal.com/SimManEssential

213-02255 SimMan Essential Dark

213-02355 SimMan Essential Light

#### **Breathing Complications**

- Needle thoracentesis bilateral
- Unilateral and bilateral chest movement
- Unilateral, bilateral and Lobar breath sounds
- Chest tube insertion bilateral

#### **Cardiac Features**

- Extensive ECG library
- Heart sounds four anterior locations
- ECG rhythm monitoring (4 wire)
- 12 lead ECG display
- Defibrillation and cardioversion
- Pacing

#### **Circulation Features**

- BP measured manually by auscultation of Korotkoff sounds
- Carotid, femoral, radial, dorsalis pedis, posterior tibialis pulses and brachialis(only
- left side) synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation is detected and logged

#### Vascular Access

- IV arm (right arm) establish IV
- Intraosseous access (tibia and sternum)

#### CPR

- Compliant with 2015 Guidelines
- CPR compressions generate palpable pulses, blood pressure wave form, and ECG
- artifacts Realistic compression depth and resistance
- Detection of depth, release and frequency of compressions
- Hand position sensor

### Eves

- Blinking slow, normal, fast and winks
- Open, closed and partially open
- Pupillary accommodation: Synchrony/asynchrony
  - Normal and sluggish speed of response

#### **Other Features**

#### Foley catheterization

- Bowel Sounds four quadrants
- Patient Voice
- Pre-recorded and custom sounds - Instructor can simulate patient's voice wirelessly
- Instructor Communication
- Multiple instructors communicate using integrated VOI protocol
- Fully articulating pelvis

Manual drug recognition

· Leg rotation in all natural directions

#### Pharmacology

Operation

Services

SimMan Essential can be operated

by a LLEAP instructor computer

and can utilize a simulated patient

monitor. Incorporate SimCapture

for a complete debriefing solution.

Optimize your investment

ValuePlus Technical Services Packages

Educational Pathway Education

Services Packages

• eLearning courses

• On-site technical services

• Extensive formulary

#### System Features

- Wireless instructor computer with LLEAP software
- Control multiple manikins from 1 interface
- · Control simulation from anywhere on your network
- Use Manual Mode to run "on-the-fly" for total control over all parameters
- Utilize Automatic Mode with preprogrammed scenario for a simple and standardized way to run a simulation
  - Patient cases utilizing physiological and pharmacological models

LLEAP Instructor

Computer

Our team of educators and service technicians have years of industry related experience that

can help you successfully implement and sustain your simulation program. We're here to help you get the most out of your simulation training with support when and where you need it. From

comprehensive long-term packages to a full range of individual solutions you may choose from:

• Virtual courses

• On-site educational courses

· Blended learning workshops

• Help Desk phone and email support

• Self-guided how-to video library

- Pre-programmed scenarios
- Self-authored content

- · Simulation controls; fast forward, pause, rewind, save/restore
- Profile editor
- Future prediction and patient outcome display
- · Integrated video debriefing
- Time stamped activities, vital signs, and instructor comments are captured in the event log

#### **Optional Patient Monitor**

- Touch-screen simulated patient monitor provides concise clinical feedback for physiological parameters
- The monitor's color screen is configurable and provides multiple simulated parameters, each presenting multi-level alarms
- · Simulated parameters include ECG (2 traces), Sp02, CO2, ABP, CVP, PAP, PCVVP, NIBP, TOF, Cardiac output, Temperature (core and peripheral), additional and programmable parameters e.g. ICP
- X-Ray Display
- 12 Lead ECG
- Custom Image Display
- Custom Video Display
- Oxygen saturation and waveform

#### **Optional Bleeding System**

· Arterial and venous

Patient Monitor

97

12

loss & therapy

moulage kits

79

• Internal Bleeding system to simulate traumatic injuries

• Vital signs automatically respond to blood

• Works with various wound modules &

SimCapture

helping save lives

• Simulation of bleeding at multiple sites