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iStan v2 now with Müse



iStan v2 + Müse: the ultimate learning package

The new iStan comes standard with METI's extraordinary, new user interface, Müse. From running your simulator to accessing and managing patients and scenarios, Müse offers drag-and-drop simplicity and touch-screen capability, making control as simple as a tap of the finger. Müse runs on web-based technology, so it connects wirelessly to your network and comes with METI's TouchPro[™] Patient Monitor software including capnography.* In addition, with Müse for iStan, all of METI's proprietary physiology and pharmacology models have been updated and enhanced.



Stan+müse Inspired evolution







Welcome to the new iStan

When you need high-performance and ultra-realism in a patient simulator look no further than the all-new, next-generation iStan. The new iStan brings you everything you love about the ultimate wireless simulator – a 100% all-in-one system, fully articulated movement and tetherless control – with new and improved features that make it simply the most powerful and most advanced patient simulator in the world. And, the new iStan now comes standard with Müse, the new METI touch-screen-capable user interface that makes everything about running your simulator easier, faster and friendlier.

New, advanced features

Reskinned – an advanced realistic skin that is more ruggedized for use in every kind of learning environment, whether it's in the classroom or at a disaster drill in the field.

Reactive eyes – fully reactive eyes providing both consensual and independent, automatic pupillary response to light and trauma.

Improved airway – built to withstand all the rigors associated with practicing proper airway management.

Quieter operation – new, low-noise system lets you hear patient sounds – not mechanics – for added realism in your simulation environment while the patient is breathing.

High-quality patient sounds – louder and clearer audio quality for voice, lung and heart sounds.

New software: Müse – iStan now comes standard with METI's new user interface that combines all the power of METI's physiological models with intuitive, "on-the-fly" control.







TouchPro Simulated Patient Monitoring Software

Müse comes with the new TouchPro Patient Monitoring software that looks and acts just like a real-world patient monitor including touch-screen capability and capnography.*

- · Operates wirelessly or via wired Ethernet
- · Can be run on a touch-screen computer or tablet
- Waveforms and numeric vitals can be changed with drag and drop simplicity
- Can display up to six waveform traces and four numeric vitals
- Web-based for PC or Mac

Waveform Selection

- ECG Lead I
- ECG Lead II
- ECG Lead III
- ECG Lead V
- Arterial Blood Pressure
- Central Venous Pressure
- Optoplethysmograph
- Capnogram
- Pulmonary Blood Pressure

Numeric Selection

- Heart Rate
- Pulse
- Arterial Blood Pressure
- MAP
- NIBP
- Pulmonary Artery Pressure
- PCWP
- Central Venous Pressure
- Continuous Cardiac Output
- Thermodilution Cardiac Output
- Respiratory Rate

- SpO₂ • PAO₂

- EtCO₂
- PvO₂
- PvCO₂
- ICP
- Body Temperature
- Blood Temperature
- Axillary Temperature
- Rectal Temperature

* Touch-screen hardware is available as an option.

- PACO₂
- PaCO₂

- PaO₂

iStan Clinical Features

SOUNDS

Breath Sounds

8 anterior locations: 4 independently controlled breath sounds (7 options available) 6 posterior locations: 4 independently controlled breath sounds (7 options available)

Heart Sounds

4 independently controlled heart sound locations (9 options available)

Bowel Sounds 4 independently controlled bowel sound locations (4 options available)

Phonation Sounds Throat Sounds - cough, stridor Male and Female Speech - yes, no, ouch and more

Wireless Voice Capability (live speech)

Pulmonary System

Lung design allows for simulation of flail chest and variable airway resistance Independent Bilateral Trauma features (needle decompression/chest tubes) End Tidal CO₂ monitoring

CARDIOVASCULAR SYSTEM

Jugular Vein Distention Defibrillation, Pacing and Cardioversion Chest Compressions Cyanosis Capillary Refill

PULSES

Pneumatic pulses in 14 locations **Bilateral** Carotid **Bilateral Brachial Bilateral Radial Bilateral Femoral Bilateral Popliteal Bilateral Dorsalis Pedis Bilateral Tibialis Pedis** Pulses are touch activated and logged for instructor/learner debriefing

GENITOURINARY

Interchangeable male or female genitalia for urinary catheterization procedures and urinary output



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TRAUMA

Cricothyrotomy Articulated Mandible Obstructed Ear Irrigation Oral and Nasopharyngeal Suctioning Neck Articulation with cervical motion monitoring and the ability to reduce range of motion **Reactive Pupils** Teeth with Break Away Incisors Laryngospasm Difficult (Airway) Occluder Bronchial Occlusion Tongue Edema Trismus Jaw Thrust (Sensed) Tension Pneumothorax/Hemothorax Needle Decompression (Bilateral) Flail Chest Chest Tubes (Bilateral) Convulsions Sternal and Tibial IO Access **Bilateral Peripheral IV Ports** Central (Femoral and Jugular) IV Lines Bilateral Thigh Auto-Injection Sites for Medication Administration

BLEEDING AND SECRETIONS

Hemorrhage System Simulation of bleeding at Moulage Sites (2 simultaneously) Plumbed for all four limbs and abdomen Linked to physiology Secretions Mouth, nose, ears, eyes, forehead diaphoresis Also serves the chest tubes and urinary output

POWER AND ELECTRONICS

AC/DC Power (110/240 V AC, 12-24 V DC) Batteries Internal Rechargeable Batteries Battery run-time: 8 hours Fast charge: Approximately 5 hours

MONITORING

SpO₂

Finger Probe integrated with Simulated Patient Monitor Display and METI Physiological Models

ECG

5-lead ECG monitoring available on both patient monitors and TouchPro Monitor Display

NIBP

Blood pressure assessment by palpitation and auscultation (Korotkoff sounds) and is displayed on TouchPro Monitor Display Auto-Cycling Capable

SIMULATED CLINICAL EXPERIENCES

Anaphylaxis

Angina with Cardiac Arrest Anterior Myocardial Infarction Asthmatic with Pneumothorax COPD Exacerbation with Respiratory Failure Heart Failure with Pulmonary Edema Inferior Myocardial Infarction Organophosphate Exposure Pneumonia with Septic Shock Severe Young Asthmatic Splenic Rupture with Pneumothorax Stab Wound to the Chest Subdural Hematoma **Tension Pneumothorax**

STANDARD EOUIPMENT

iStan Mannequin Instructor's Workstation Laptop Müse iStan Edition Software 4 SCE Development Licenses TouchPro Software 14 Preconfigured SCEs Set of 4 CO₂ Canisters iStan Computer Bag Six Patients

- Healthy Adult Male
- Healthy Adult Female

Pregnant Female

 COPD Patient Healthy Soldier

 Hypertensive Patient

OPTIONAL EOUIPMENT

Touch-screen Capable Monitor Additional Battery Pack Manneguin Carrying Case Additional CO₂ Canisters Mannequin Tool Kit Trauma/Disaster Casualty Kit - TDCK™ METI FX ICP Pharmacology Editor

For more information about iStan or other METI products contact your regional sales manager, the distributor in your country or visit meti.com.