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NENASim Infant HPS Xtreme, Light

Item No. 1022582
Weight 5kg
Dimensions 55 x 14 x 12 cm
MPN: NS-HPS-XTREME

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SKU:

Categories:ALS Newborn



Product Description

NENASim Human Patient Simulator (HPS) Xtreme The NENASim-HPS Xtreme is an advanced wireless scenario-based simulator. It simulates a baby from 0 to 6 months old. To be used for a full range of medical skills, procedures and team training. With the NENASim HPS Xtreme - which includes training software, the patient monitor and the baby simulator - predefined and customizable scenarios can be played out by medical teams. **Software included: Tutor, Scenario Editor, Patient Monitor, ECG and Sound Editor.**

The NENASim HPS Xtreme is fully interactive and empowered by Windows to give the user full control:

- The patient monitor, which accurately replicates the graphs and values as shown on the tutor software, making any adjustments by the tutor directly visible.
- Tutor software for tracking, commenting and evaluating the full scenario.
- Possible to add three cameras.
- Scenario-editor for creating and editing your own scenarios. All parameters, responses and sequences can be adjusted within an easy-to-use program
- An ECG editor and sound editor. User-friendly editors to add your own ECGs and sounds to scenarios.

Benefits:

- Perfect for training medical professionals, especially NICU-departments.
- Realistic skeleton, recognizable landmarks, accurate movement degrees, with a durable soft skin.
- Movement of limbs, head, eyelids, heart beats and breathing movements.
- Measurable effectivity and results of CPR.
- Pulse detectable in various places; axillary and femoral. Intubation through the anatomically realistic airway,
- Stethoscope simulator: detects location and emits suitable isolated sounds.
- Various parameters output on the patient monitor: ECGs, SpO2, CO2, ABP, CVP, PAP, PCWP, NIBP and TOF.
- Full scenario training: ready-made and userfriendly customizing, with strong feedback and review components.
- Ideal for individual skills-training and team training.
- A wide variety of vocal sounds: laughing, crying, hiccups, coughing, grunting and breathing.
- Full simulation of breathing patterns with different rates, depths and complications.
- Colorization of the skin in the cheek, chin and extremities, to simulate conditions like cyanosis, jaundice, paleness and redness.
- Wireless and tetherless control: able to be used everywhere.

The NENASim Infant HPS Xtreme, Light (Item No. 1022582 | MPN: NS-HPS-XTREME) is the most advanced wireless scenario-based neonatal Human Patient Simulator in the NENASim series. Weighing 5 kg and measuring 55 x 14 x 12 cm, this top-tier simulator represents a baby from 0 to 6 months old and is designed for a full range of medical skills, procedures, and team training scenarios — making it the ultimate tool for NICU departments and advanced neonatal simulation centers.

The package includes advanced training software (Tutor, Scenario Editor, Patient Monitor, ECG Editor, and Sound Editor), a patient monitor that accurately mirrors the tutor software in real time, and full Windows-based control. Key features include spontaneous breathing simulation with varying rates and depths, CPR compressions with measurable effectiveness, live defibrillation, pacing and cardioversion,

palpable pulse points (axillary and femoral), wireless stethoscope with isolated sound detection, skin colorization to simulate cyanosis, jaundice, paleness and redness, a wide range of vocal sounds, head and eyelid movement, IV arm and IO leg access, ECG and 12-lead display, and multiple vital sign outputs including SpO2, CO2, ABP, CVP, PAP, PCWP, NIBP, and TOF. Support for up to three cameras and fully customizable scenario editing makes it ideal for both individual skills training and team-based simulations.

Q1. What is the NENAsim Infant HPS Xtreme, Light used for? It is used for advanced neonatal simulation training, covering a full range of medical skills, procedures, and team scenarios for healthcare professionals, especially in NICU departments. It simulates a baby from 0 to 6 months old.

Q2. What software is included with this simulator? It includes Tutor software, Scenario Editor, Patient Monitor, ECG Editor, and Sound Editor — all Windows-based and fully customizable for creating and editing clinical scenarios.

Q3. What vital signs and parameters does the patient monitor display? The patient monitor displays ECG, SpO2, CO2, ABP, CVP, PAP, PCWP, NIBP, and TOF — accurately mirroring the tutor software values in real time for a fully immersive training experience.

Q4. What clinical features does this simulator support? It supports spontaneous breathing simulation, CPR compressions with measurable effectiveness, live defibrillation, pacing and cardioversion, intubation through anatomically realistic airway, wireless stethoscope, palpable pulse points, skin colorization (cyanosis, jaundice, paleness, redness), IV arm, IO leg, head and eyelid movement, and a wide range of vocal sounds.

Q5. Is this simulator wireless? Yes, the NENAsim Infant HPS Xtreme is fully wireless and tetherless, allowing it to be used in any environment including simulation labs, lecture halls, and clinical training rooms.

Q6. Can cameras be connected to this simulator? Yes, up to three cameras can be connected to the system, enabling full video review and debriefing during and after training scenarios.

Q7. How does the HPS Xtreme differ from other NENAsim models? The HPS Xtreme is the top-tier model in the NENAsim series. Unlike the ALS and ALS+ models, it includes live defibrillation, palpable pulse points, ECG and 12-lead display, wireless stethoscope, vocal and breath sounds, IV arm and IO leg, head and eyelid movement, advanced software, and full scenario-based team training capabilities.

Q8. What skin tone options are available? This listing is for the Light skin tone version. A dark skin tone version is also available in the NENAsim series for inclusive and diverse simulation training.

Q9. Where can I purchase this in India? You can enquire and order through SEM Trainers at **+91-88495 63724** or **+91-98791 03905**, or visit semtrainers.com.

	Infant Care	Infant ALS	Infant ALS with Basic Software	ALS+ am Säugling mit Basic Software	Infant Human Patient Simulator (HPS)
Item No.	Boy 1021099	Boy 1021103	Boy 1021104	Boy 1021106	Light skin 1020899
	Girl 1021098	Girl 1021102	Girl 1021105	Girl 1021107	Dark skin 1018876
Patient care procedures	Yes	Yes	Yes	Yes	Yes
Airway management					
Realistic airway	-	Yes	Yes	Yes	Yes
Intubation, oxygen delivery procedures	-	Yes	Yes	Yes	Yes
Spontaneous breathing	-	-	-	Yes	Yes
CPR					
Head tilt, chin lift and jaw thrust	-	Yes	Yes	Yes	Yes
CPR compressions	-	-	-	Yes	Yes
Live defibrillation, pacing and cardioversion	-	-	-	-	Yes
Software feedback on CPR	-	-	Yes	Yes	Yes
Kardiovaskulär					
ECG & 12 lead display	-	-	-	-	Yes
Palpable pulse points	-	-	-	-	Yes
Blood circulation vital signs	-	-	Yes	Yes	Yes
Auscultation & Sounds					
Vocal sounds as well as heart, lung and bowel sounds	-	-	-	-	Yes
Normal and abnormal breath sounds	-	-	-	-	Yes
Wireless stethoscope	-	-	-	-	Yes
Additional features					

IV arm, IO leg	-	-	-	-	Yes
Head and eyelid movement	-	-	-	-	Yes
Software features	-	-	basic	basic	advanced
Weight	2 kg	2.5 kg	2.5 kg	5 kg	5 kg