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SEM- Scientific Educative Methods in Science, Engineering & Medicine

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Blood Pressure Arm with External Speaker System

Item No. LF01129
Weight 4.9kg
Make: Nasco Healthcare, USA

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SKU:

Categories:Blood Pressure



Product Description

Often when working with a live subject, pressures are difficult to auscultate, making accurate evaluation of student proficiency almost impossible. This arm features an embedded speaker plus an electronic control unit. It allows the instructor to preset any combination of systolic and diastolic pressures and to control the pulse rate and volume level. An auscultatory gap can also be added and the five Korotkoff

phases can be audibly discerned. The pressures are activated at release valve by the student and can be read directly from the sphygmomanometer. When using the Blood Pressure Simulator, students are never “approximately” correct – with the preset values they are either right or wrong. The external speaker system allows an entire classroom to auscultate blood pressure sounds, which normally can be heard only by one person via stethoscope. The electronic control unit also features a manual calibration button that allows the unit to be used with any type of sphygmomanometer.

	Life/form® Blood Pressure Simulator	Blood Pressure Arm with External Speaker System	Life/form® Deluxe Blood Pressure Simulator with Speaker System, 230V	Blood Pressure Training Arm	Blood Pressure Training System with Speakers
Item No.	1005621	1005622	1005623	1018870	1019813
Palpable radial pulse	Yes	Yes	Yes	Yes	Yes
Five Korotkoff phases	Yes	Yes	Yes	Yes	Yes
Systolic and diastolic pressures	Yes	-	Yes	Yes	Yes
Auscultation gap	Yes	Yes	Yes	Yes	Yes
Pulse rate	Yes	Yes	Yes	Yes	Yes
Use with any stethoscope	Yes	Yes	Yes	Yes	Yes
Use with any sphygmomanometer	sphygmomanometer included	Yes	Yes	Yes	Yes
External speakers with volume control	optional Speaker System (1019721 for 110V or 1020046 for 220V)	included	included	-	included
Control Unit	included	included	included	included	included
Power supply	100V to 240V	115V	220V	100V to 240V	100V to 240V
Carrying bag	included	included	included	included	included

The simulator is supplied with the external speaker, the electronic control unit (4 “AA” batteries included), a sphygmomanometer and a hard carrying case. A stethoscope is not included.

New subcategory: **Clinical Skills Trainers ? Blood Pressure**. Item No. LF01129, 4.9 kg, Make: Nasco Healthcare, USA ?. This is the 115V external speaker version — the comparison table confirms the 230V variant is 1005623 (LF01129EXPU). Key features: embedded speaker plus electronic control unit, preset any systolic/diastolic combination, adjustable pulse rate and volume, auscultatory gap simulation, all five Korotkoff phases audible, classroom speaker that lets the whole room hear simultaneously, works with any sphygmomanometer, binary correct/incorrect feedback. Supplied with external speaker, control unit (4 AA batteries included), sphygmomanometer, hard carrying case. Stethoscope not included.

DESCRIPTION (copy-paste into WordPress product description):

Why Choose the Life/form® Blood Pressure Arm with External Speaker System for Your Simulation Lab in India?

The Life/form® Blood Pressure Arm with External Speaker System (Item No. LF01129) by Nasco Healthcare, USA is a 4.9 kg electronic blood pressure training arm with an embedded speaker and instructor-controlled electronic control unit — the classroom-format blood pressure trainer that solves a fundamental problem with live-patient or standard arm BP training: Korotkoff sounds normally heard only through a single stethoscope are amplified through the external speaker system so that an entire classroom can auscultate simultaneously. For nursing colleges, NMC-mandated clinical skills labs, and hospital in-service BP training programmes in India where the instructor needs to demonstrate correct BP auscultation technique to a group rather than one trainee at a time, this is the correct platform.

The instructor presets any combination of systolic and diastolic pressures on the electronic control unit, then controls the pulse rate and volume level independently — enabling a structured training curriculum that progresses from easy-to-hear normal pressures to difficult borderline readings and finally to abnormal values without relying on the limitations of a live volunteer. An auscultatory gap can be added to train trainees to recognise and correctly interpret this clinically important phenomenon. All five Korotkoff phases can be audibly discerned through the arm, training the complete phase identification sequence. The pressures are activated at the release valve by the student exactly as in a real auscultatory BP measurement — the student inflates the cuff and releases at the valve, and reads the pressure directly from the sphygmomanometer. When using this arm, students are never "approximately" correct: with preset values, a reading is either right or wrong, making competency assessment objective. A manual calibration button on the control unit allows the arm to be used with any type of sphygmomanometer. Supplied with the external speaker, electronic control unit (4 AA batteries included), a sphygmomanometer, and a hard carrying case. Stethoscope not included.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Nasco Healthcare products in India with over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support.

Frequently Asked Questions

Q: Can the whole classroom hear the Korotkoff sounds simultaneously? A: Yes. The external speaker system amplifies sounds normally heard only through a single stethoscope, enabling the entire classroom to auscultate the same BP sounds at the same time.

Q: Does this arm support auscultatory gap training? A: Yes. An auscultatory gap can be added by the instructor using the electronic control unit, training trainees to recognise and correctly handle this clinically important BP phenomenon.

Q: What is included and what is not included? A: Included: external speaker, electronic control unit (4 AA batteries), sphygmomanometer, and hard carrying case. Not included: stethoscope.