



BRAYDEN

illuminating CPR

BRAYDEN,
First CPR training manikin
in the World with an intuitive blood
circulation display

The ultimate purpose of CPR is to maintain a flow of oxygenated blood to the brain during cardiac arrest to prevent serious brain damage.

BRAVDEN is the first CPR Manikin ever to display the virtual flow of blood from the heart to the brain during the CPR.

Furthermore, with the aid of the **BRAVDEN** CPR Manikin, trainees will not only learn with ease how to execute CPR correctly in time of need, the skills learned using the **BRAVDEN** CPR Manikin will be remembered for life due to the positive feedback innovations built into **BRAVDEN**.

Back to the Basics

BRAVDEN manikin has the following functions for Basic Life Support training.



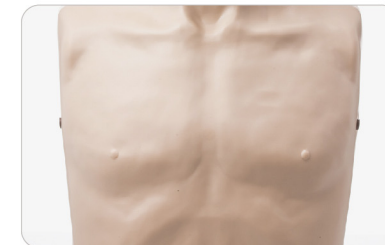
During ventilations the chest realistically rises when air is delivered to the lungs. The resistance of the air being blown into the lung is also realistic (lung compliance).



The head tilt and chin lift is also realistic when opening the airway.



Soft materials are used to help encourage the correct technique for easy nose pinch for mouth to mouth ventilations. The oral and nasal passage is interconnected which allows the alternative mouth-to-nose ventilation to be performed.



To encourage realistic training, BRAVDEN has a lifelike appearance similar to a real human body (ribs, xiphisternum, etc.).



BRAVDEN is also easy to disinfect, wash, and it is easy to replace consumables (RoHS, REACH SVHC). The BRAVDEN is also made of non latex materials as verified by the RoHS, REACH and SVHC.



When the chest is pressed to the prescribed depth, a "click" sounds (clicker function).



A user guide is included with each manikin management.

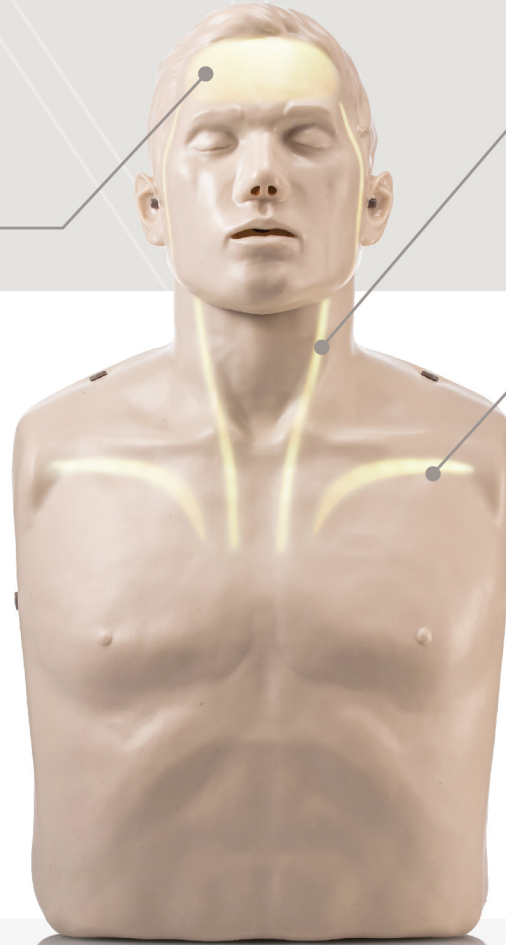


A battery status indicator using different colour LEDs is also a feature of the BRAVDEN manikin.



CPR Quality Indicating Lamps

The **Blood Circulation Indicating Lamps** and the **Compression Indicating Lamps** work together to give feedback to the trainee for correct rate and depth respectively. The **CPR Quality Indicating Lamp** in the head only comes on when the compression depth and the speed are correctly delivered according to the Guidelines set within the manikin. When either compression depth or rate or release (recoil) are incorrect then the quality light will not light up. This state of the art technology integrated within **BRAYDEN** makes it possible to train all levels of trainees in a simple, easy and intuitive way and also encourages the trainee to focus on the head of the patient which is important for real resuscitation attempts.



Blood Circulation Indicating Lamps

These lights show the blood flow from the heart to the brain during CPR, and one can easily observe the changing speed of the blood flow directly and relative to the compressions rate performed by the trainee.

Compression Indicating Lamps

These lights work in conjunction with the blood circulation indicating lights but relate to the correct depth of chest compressions given as outlined by the CPR Guidelines issued in 2015. When CPR is correctly performed then all the lights across the chest are fully illuminated but if the compression depth is not sufficient (<5cm for AHA 2015) then only part of the lights illuminate. The **BRAYDEN** can also be switched to ERC 2015 (which is 5cm - 6cm) if required. The accuracy of the built-in electronic sensors in the manikin make the **BRAYDEN** state of the art in this respect.



BRAYDEN enables Efficient Training

Most CPR training is given to groups of people with many people being taught at the same time. It can be difficult for the instructor to visually assess whether the learners are pressing the chest down to the correct depth and performing full recoil appropriately when performing CPR. This is particularly true when delivering training to a large group of learners.

BRAYDEN's real-time display of blood circulation presents compression depth, speed and recoil which allows the instructor to easily check a learners' performance. Simultaneous monitoring is easy even when teaching large groups of learners. This enables immediate correction of the CPR being performed and supports more efficient training.

Optional Accessories



AC Adapter / IM13-OA01



Jacket / IM13-OA02



Extra Compression spring / IM13-OA06



Artificial lung kit (24pack) / IM13-OA07



" The Brayden CPR Manikin allows students to visualize the effect of the compressions in a pedagogical manner and provides good feedback to the student.

This is motivational and helps ensure correct compressions in training."

- Terje Ødegården

(Center of simulation and patient safety – NTNU, Gjøvik, Norway)

"This manikin is a refreshing change from traditional basic life support manikins. I have found my class more eager to practice with this new CPR feedback technique.

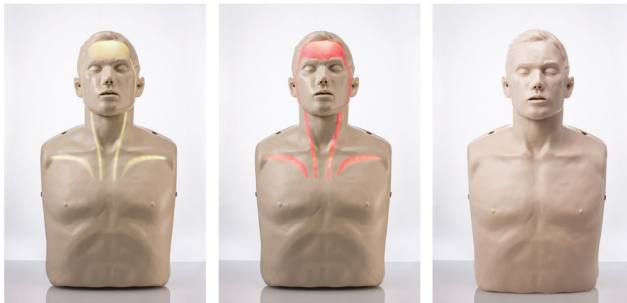
Demonstrating blood flow and the concept of CPR in this unique way engages every class I teach.

Over the last year the manikin has proved to be robust and reliable after being transported to a variety of locations for basic CPR teaching sessions."

- Rob Morrison

(Resuscitation Officer, Dartford & Gravesham NHS Trust, Darent Valley Hospital)

● BRAYDEN series



IM13

IM13-R

IM13-S

★ The IM13-S model does not include the blood circulation display function.
If you want the blood circulation display function, you need to purchase the IM13 model.

■ Specifications

Brayden Pro CPR training manikin

Type	Torso (* RoHS, REACH SVHC Skin)
Opening airway	Head-tilt-chin-lift Maneuver
Artificial respiration	Mouth to Mouth, Mouth to Nose (* visible chest rise)
Airway	Non-breathing, disposable
CPR feedback	Display visual flow of blood from the heart to the brain
Audible feedback	Clicker on/off
Dimensions	32 cm x 59 cm x 21cm (W x H x D)
Weight	3.1 kg (6.8 lb) (* including batteries)
Packed weight	5.3 kg (G/W), 4.3 kg (N/W)
Dimensions packed	37 cm x 62 cm x 26 cm
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	Relative humidity between 5% and 95% (non-condensing)
Warranty	2 years (* excluding consumables)
Power	Battery C type 1.5V (6 batteries) AC adapter (option) (Input AC 100 ~ 260V, Output DC 9V 1A)

■ Components

Main manikin unit (1), Face skin (1), Artificial lung (1), Face shield (10), Mat bag (1), Battery (C-type) (6), Instructions for use (1)

INNOSONIAN



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