



**SMARTDUMMY™  
BASIC & CHILD**



**[ USER'S MANUAL**

**ORIGINAL  
USER'S MANUAL**

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## 1 General description

The *SmartDummy™ Basic* and *Child* were designed as rescue dummies for search and rescue and rescue operations. They could be rescued from smoke filled rooms like, tunnels, confined spaces, vehicles and smoke mazes. The series are extremely suitable for breathing apparatus (SCBA) exercises.

The SmartDummy™ Basic manikins can also be used for practicing injury transport and endurance tests.

## 2 Generic technical Information

- The training dummy series is made of a synthetic material (Bysonyl/ Polyester 680 g/m<sup>2</sup>) and is filled with dry sand for weight.
- The SmartDummy™ Basic manikins have rubber boots for added protection against dragging.
- The manikins are made water-resistant but not waterproof.
- The head is manufactured with compartment for the ACV Box (Voice function) which is closed off with a Velcro fitted flap.

Detailed overview:

Manikin	Weight	Length	Colour
SmartDummy™ Basic	12, 20, 48 or 70 kg	± 180 cm	Grey
Child	10 kg	± 145 cm	Grey

## 3 Environment influences

- The continuing maximum surrounding temperature should not be higher than 40° C. Short-term exposure up to 60° C is possible.
- SmartDummy™ Basic and Child are **not** suitable for water rescues.
- Adding extra weights can damage the dummy and its outer layer.
- The training dummy series are **unsuitable** for rope rescue from heights and/or from confined spaces. The Harness or ropes put pressure on points and could damage the outer layer.
- Sharp objects could damage the outer layer of the dummies.

## 4 Precautions

The manikins should be used with great care. The following remarks are important:

- Dropping the manikins from great heights can cause deformation of internal parts and tearing of the outer layer. Doing so will void the warranty.
- Exposing the SmartDummy™ Basic manikins to high ambient temperature can cause permanent damage.
- Twisting the limbs of the manikin can cause severe damage. Adding additional weight is not allowed.

Important: In preparation of trainings, make sure no sharp and hot materials are in the vicinity of the manikins.

- The manikins are designed for normal use as may be expected during trainings. Dragging the manikins by the head or by one limb can lead to damage to the outer layer.
- The SmartDummy™ Basic manikins are splash-proof but are **not** made to be used in water scenarios.
- The manikins are **not** suitable for rescue trainings involving heights and manholes.

## 5 Maintenance

Clean the manikins after every training session with a mixture of water and all-purpose cleaner. The use of strong detergents or solvents is not allowed as these cleaning products can damage the manikins.

## 6 Safety

**BE CAUTIOUS:** The SmartDummy™ Basic manikins should be moved using proper lifting technique. Before commencing the training, every person involved should be informed on the dangers of working with heavy loads, and, should be informed on regular transportation methods. Carrying the manikin in an incorrect way can lead to back or muscle injury.

Do not use the training manikins in conditions above 40°C as this may cause damage to the outer layer of the manikins. The outer layer is not fire resistant.

## 7 Use

Various casualty handling methods can be used to some extent. Please note that the current Health, Safety and Environment regulations must be observed when using the SmartDummy™ Basic manikins.

To ensure a realistic training, the ACV Box can be placed in the head cavity of the SmartDummy™ Basic and Child. The ACV Box allows sound or voice to be recorded and played back as if a victim were telling you where they are or what their injury is. The Box can also be used as a sound beacon for orientation exercises. The ACV Box is voice activated and can be set to repeat the text once or continuously.



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