



BOMB SUIT EOD 10E

CERTIFIED PROTECTION FOR BOMB DISPOSAL

The EOD 10E offers the best combination of protection, intelligent design and optimal weight distribution. Its design has numerous features that address factors critical to survival in an EOD scenario. It has the following performance features:

NIJ certification for bomb suits

The EOD 10E is designed to meet and exceed NIJ Standard 0117.01 for bomb suits with additional user-oriented features. requirements through additional user-oriented features (e.g. (e.g. integrated cooling, tactical lighting options, etc.).

Heat protection

The fire-retardant outer shell of the EOD 10E protects against heat radiation emitted by ammunition, anti-personnel mines and pyrotechnics. This has been proven by numerous vertical flame tests.

Splinter protection

The EOD 10E has been tested with different sized fragment simulator projectiles (as per NIJ0117.01) that best simulate the fragment size and shape of a bomb blast.

Protection against detonation pressure

The EOD 10E minimises the risk of injury from the blast wave caused by an explosion.

Compliance with EMI / EMC requirements

The suit and helmet have filters and shielding in their electronic systems to prevent radio frequency signals from being transmitted or unwanted signals from outside reaching the electronics.



NIJ STANDARD FOR BOMB SUITS

In addition to the factors of heat protection, splinter protection and protection against detonation and impact, the NIJ certification for bomb suits emphasises the importance of other test areas. These include:

- Ergonomics (e.g. donning and doffing)
- Optics (e.g. light transmission and distortion in the visor area)
- Flammability
- Electrostatic discharge
- Head protection (e.g. impact absorption, puncture resistance, etc.)
- Spinal protection

All tests are carried out in NIJ-accredited, independent test laboratories by the Safety Equipment Institute. In addition, to meet manufacturing commitments, audits are regularly conducted at Med-Eng's manufacturing facility.

The EOD 10E is available in the colours:

- Dark oliv
- Blue
- Sand

Available sizes:

Small, Medium-Small, Medium and Large.

QUICK TO PUT ON AND TAKE OFF

The upper part of the EOD 10 E consists of two components that are joined together with Velcro

- Jacket with integrated cooling system
- Front part with chest/abdominal plate and neck protection.

This design not only makes the donning and doffing process faster. The suit wearer can take off the front part in the field without assistance.



IMMEDIATE FIRST AID

Thanks to the removable chest plate, the upper part of the body can be released immediately for resuscitation measures. In addition, the sleeves are equipped with zips so that access can be established more quickly. An integrated emergency system, attached to the rear collar area, allows an injured defuser to be retrieved from a danger zone with a robot or hook and line set

HEAT STRESS PROTECTION

The EOD 10E has an integrated cooling system. Two ventilation components in the helmet and jacket deliver ambient air into the suit and provide better cooling through evaporative cooling.

OPTIMAL WEIGHT DISTRIBUTION

To protect the back, the weight of the suit has been distributed in the centre of gravity on the hips. Arms, legs and also the head can therefore move much more freely.

INNOVATIVE HELMET/VISOR SYSTEM

The helmet of the EOD 10E is equipped with an inflatable inlay. The suit wearer can thus adjust the fit optimally to his head size and head shape. The visor has a large field of vision, which is between 120° and 150°.

CUSTOM-FIT FOOT PROTECTION

The foot protection for the EOD 10E is available as 180° or 360° protection. It can be adjusted for a precise fit and enables a natural walking movement.

TECHNICAL FEATURES

The EOD 10 E has useful technical features that support the user during use. They can be set via voice control or via a control unit on the wrist.

FRemote control	Control of all functions, such as light or ventilation levels, display of system status through simple symbols and numbers.
Mission-specific light	Scenario-supporting selection between red, blue and white LED light
Audible and visual warning signals	Communication of malfunctions in the sighting area (e.g. drop in battery power)
Stereo speakers	Separate volume and balance control of the left and right speakers. Localisation of sound sources for better interaction with the environment
Voice control	Adjustment and modification of all electronic functions of the suit