

RUTH LEE™



## THERMAL IMAGING SUIT

### FOR PROFESSIONALS WHO SAVE LIVES

Ruth Lee is a family business whose core values revolve around the care of our employees, service to our customers and uncompromising product quality. We are proud to serve YOU, the dedicated professionals who make such a valuable contribution to society.

We employ highly skilled people and source the most durable materials to ensure our products meet the highest international standards.

Our manikins are designed to represent the correct anatomic weight distribution of a real person, and we offer a range of different models to suit every conceivable scenario. This ensures that your training is as realistic and as effective as possible; preparing you for all eventualities.



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# THERMAL IMAGING SUIT

## IDEAL FOR THE FOLLOWING TRAINING SCENARIOS:

Thermal Imaging is increasingly important, not only within the fire service, allowing for faster and more accurate body searches in poor visibility environments, but also with a large number of search and rescue teams who may use thermal imaging (including from helicopters and drones) to locate victims.

This robust suit can be worn by any Ruth Lee adult manikin (Up to 90kg) and then a special overall (included in the price) is placed over the thermal suit to provide protection and to help evenly distribute the heat for better imaging using thermal cameras.

## SPECIAL MATERIALS:

- Waterproof 24 amp battery and wiring
- The suit is constructed from a strong, elasticated woven material used within the marine industry
- 50 meters of sheathed wiring sewn into the suit at 2 inch intervals, designed to withstand temperatures up to 100C.
- Battery is manufactured from high-tech, rechargeable Lithium-Ion cells.

## BATTERY SPECIFICATION

Cell type Li-Ion

Height 270 mm : Diameter 74 mm : Weight 1.8 kg

Voltage: 100-265 volts

AC: 50-60 Hertz

Input current: 1.8 Amps. Output voltage: 12.6 vdc

Output current: 3 Amps

Charge unit also features a useful USB port.

## FEATURES & BENEFITS:

- Innovative design which is created specifically for use with Ruth Lee Rescue Training Manikins to replicate a highly accurate human body form when using thermal imaging cameras.
- The Suit is easy to put onto a manikin and remove as required for flexibility in your training.

- Extensively tested at Severn Park Training Centre and several UK based Fire and Rescue Services using FLIR Thermal Imaging Cameras.
- Strong, woven material allows fast dispersal of heat across the whole body of the manikin, including a hood which covers the head.
- The suit can be put into the washing machine if it becomes soiled.
- The battery can be used like a mobile phone whereby the suit is pre-heated and then used for approx. 1-2 hours (depending on ambient temperature), or with the battery attached in a holster on the side of the leg. Having the battery attached prolongs the usage time to approx. 3-4 hours (depending on ambient temperature), especially useful for search and rescue (SAR) or Urban SAR operations.
- The battery has a watertight e-o cord connector, a piezo switch, and an over-pressure valve. The built in blue LED lets you know how much charge remains in the battery.
- Battery charger included.
- The suit, battery and charger come complete in a Ruth Lee holdall for storage.

## NOT SUITED FOR:

- Use in temperatures above 100°C or flashover scenarios.

## OPTIONAL EXTRAS:

- Replacement Overalls
- Suit or battery (24 amp) can be supplied independently if one needs replacing.

## A PRODUCT DESIGNED FOR:

- Fire and Rescue Services
- Search and Rescue Teams, including mountain rescue and USAR.
- Police Departments.
- The Military/Armed Forces.