



## SMARTDUMMY™ THERMAL



# Manikins with realistic, detectable body heat

DURABLE, INTERACTIVE MANIKINS THAT  
REGISTER ON THERMAL IMAGING CAMERAS  
FOR REALISTIC TRAINING SCENARIOS

LION's SmartDummy™ Thermal uses embedded heat emitters combined with innovative heat diffusion technology to accurately recreate a person's thermal signature. Additionally, rechargeable batteries and strong, abrasion resistant body construction mean the Thermal Manikin is tough enough to endure any training scenario, anywhere your training goes.

### IDEAL FOR THERMAL IMAGING TRAINING

Thermal imaging cameras (TIC) are rapidly becoming standard tools for first responders. That's why it's more important than ever that your trainees are prepared to effectively locate victims in an emergency situation.

LION's SmartDummy Thermal allows instructors to demonstrate the fundamentals of how thermal imaging cameras work. It also teaches advanced techniques for locating victims in restricted visibility conditions – without having to expose a human “victim” to potentially harmful conditions.

Such training operations can include the following LION Thermal Manikin set-ups:

- Place the Thermal Manikin in a smoke-filled training structure or darkened room for realistic search and rescue training.
- Position the Thermal Manikin behind walls to challenge your trainees to properly use their thermal imaging cameras as life-saving tools.

### GREAT FOR TRAINING OUTSIDE

Because the Thermal Manikin contains built-in power supplies, it is also ideal for training exercises involving outdoor, cold weather and wilderness search operations.

# SMARTDUMMY THERMAL



## SMARTDUMMY™ THERMAL MANIKIN

## Specifications



Control Panel Operation

### VOICEBOX

When your trainees call out to the SmartDummy Thermal, the victim talks back. Using the built-in VoiceBox microphone, record distress messages (Such as where they're located or what their emergency situation is).

- **Integrated Microphone:**  
Press and hold the record button

to capture a realistic message or sound effect.

- **Continuous/Sound-Activated Mode**  
Set to play messages continuously or respond only when noise is detected.
- **Volume Control:**  
Turn up the volume for frantic victims sounds or turn it down for muffled breathing or groans.
- **Reaction Sensitivity:**  
Adjust the minimum noise level required to activate the VoiceBox in Sound-Activated Mode.

### TRAINING OPPORTUNITIES

LION's SmartDummy Thermal was designed to conduct a variety of indoor and outdoor thermal imaging training

exercises. Popular SmartDummy Thermal training applications include:

- Thermal Imaging Basics
- Smoke-Filled Environments
- Building Collapse
- Confined Spaces
- Cold Weather Scenarios
- Wilderness Searches

### ADDITIONAL DETAILS

#### Manikin Body:

- **Weight:**  
65 lbs. (29.5 kg)
- **Height:**  
6' (180 cm)

#### Temperature

20–30°F (10–20°C) above room temperature

### Safety Features

- Low voltage battery detector
- Overheating sensor

### Technical Information:

**Battery:** 24 V - 18Ah

**Heating Element:** 160 Watt

**Battery Life:** 2.5 hours

**Charge Time:** 4 hours

**AC Charger:** 230V or 115V 50/60 Hz



Thermal Imaging