



Thermal Target for Thermal Imaging Training

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Categories:

- Chemical Engineering
- NSWC Crane

Keywords:

- Crane
- First Responder
- Law Enforcement
- Mechanical Engineering

Thermal imaging equipment has become more commonly used in industry and law enforcement. With the advent of thermal sights for operations such as surveillance, reconnaissance, target detection, tracking, firefighting, and law enforcement, there is a need for targets suitable for training a user to operate such thermal imaging equipment.

Naval Surface Warfare Center, Crane Division (NSWC Crane), has developed and patented a thermal target for training users how to operate thermal imaging equipment. The images presented by thermal imaging equipment is of a different character than a user is familiar with in visible light. It is important to be able to practice detecting targets and recognizing objects before being called on to do so in real-life. To be trained, it is necessary to have targets that emit heat radiation patterns that realistically simulate specific objects to enable practice. The "Thermal Target" patented by NSWC Crane consists of disposable thermal emitting cells independently contained within a cloth housing. The disposable cells can be disposed of in regular waste and do not require electricity, battery, or power source. This makes the targets portable and easy to position in any training environment desired, such as a rural setting for search and rescue trainings or in a building for law enforcement training.

Potential Applications:

- Search and Rescue
- Firefighting
- Military
- Law Enforcement

People:

- Parsley, Adam (Project leader)

Intellectual Property:

Application Date: (None)

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