

JUNE 2010

## Fluke Ti25 Thermal Imager

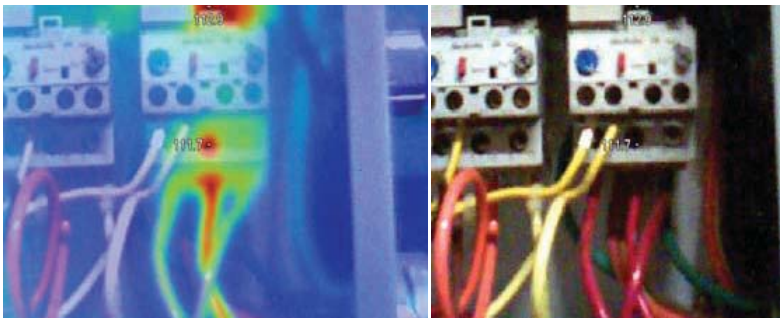


This tool is ideal for troubleshooting electrical installations, electro-mechanical equipment, and process equipment.

- Problem detection and analysis capabilities with IR Fusion Technology

- Identify even small temperature differences that could indicate problems
- Delivers the clear, crisp images needed to find problems fast
- Easy to Use - Three Button Menu
- Record findings by speaking into the camera - No need for pen and paper
- Reflected background temperature

The three NEI Electric offices share this tool. If you have a customer that would be interested in the Thermal Imaging of their electrical systems, please contact the office. We will provide pricing as needed and coordinate scheduling with a qualified technician.



## NEWS

This flyer is to share with you new products, procedures, and classes that are available to help make your job easier. If you have any suggestions or ideas for future issues let Amanda in the SCF office know.

### Employee News

Thank you to all employees for taking your personal time to attend our recent Annual Safety Meetings. Our safety record is something to be very proud of; we appreciate all of you working hard on our company-wide commitment to keep NEI Electric a safe company.

### The Short Circuit

**Q: What did the lightbulb say to the generator?**

*A: "I really get a charge out of you!"*

### Safety

See featured article on back

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## Heat stress

### Introduction:

Heat exhaustion can occur when you are in hot environments and fail to take in enough fluids, salts or both. And even worse, this can lead to a life threatening condition called heat stroke. Heat stroke happens when the body fails to regulate its core temperature. At this point, the body stops cooling itself through perspiration and can't get rid of excess heat. The end result can be death if the body temperature isn't lowered!

### Hazards:

Symptoms of heat stress include:

- **Heat Cramps**—painful muscle spasms. Tired muscles are most susceptible to cramping. Heat cramps are caused when workers drink large quantities of water but fail to take in enough salt to replace the salt their body lost through sweating.
- **Heat Exhaustion**—Symptoms include moist, clammy skin, profuse sweating, extreme weakness or fatigue, dry mouth, dizziness, fast pulse, rapid breathing, muscle cramps and nausea.
- **Heat or Sun Stroke**—Symptoms are a very high body temperature (104 degrees F or higher); lack of sweat; mental confusion, delirium, or hallucinations; deep breathing and rapid pulse; hot, dry, red or mottled skin; and

dilated pupils. Seek medical help immediately and keep the person cool with water until help arrives.

### Safe procedures:

- Adjust yourself to the heat through short exposure periods followed by longer exposure until your body is accustomed to the heat. It may take 5-7 days of hot weather exposure before the body undergoes changes that make heat more bearable.
- Drink lots of liquids—Replenish the fluid that your body is losing through sweating. Not only water, but critical electrolytes such as sodium, potassium and calcium are lost through sweating, so consider using electrolyte drinks (Sport Drinks) to combat heat-related disorders.
- Do not ignore possible symptoms of heat stress. If you feel very hot, dizzy, nauseous or if your muscles cramp, stop and cool off!

### In conclusion:

Heat Stress Disorders are serious. If an employee appears to be suffering from heat stress disorder, remove him or her from the heat and provide a cool, shaded place to rest. If the employee is disoriented or non-responsive, call for medical attention immediately.