

Firefighter Safety System

Heat Observation Technology



Hothead Technologies, Inc. has developed the patent pending Heat Observation Technology (H.O.T.) system which provides a sophisticated early warning system to prevent the onset of heat exhaustion, heat stroke, and other heat related conditions for firefighters and other hazmat personnel operating in high temperature conditions.



A wireless biosensor inside the firefighter's helmet transmits the firefighter's body temperature continuously to a handheld device on the sideline providing instant access to the current body temperature of all personnel in the area and generating real time audible and visual alerts, when a particular person crosses the pre-set safety threshold.

The H.O.T. system provides the optimal safety alert system for city, county, state and federal fire and hazmat departments.

For more information please visit our website:

www.hotheadtechnologies.com

Or contact us at:

info@hotheadtechnologies.com

Did you know that heat stroke is the most serious of the four levels of heat illness. Progressing from dehydration to heat cramps to heat exhaustion without intervention may lead to heat stroke where the core body temperature exceeds 104 degrees.

The H.O.T. system will alert you early enough that a person in danger can be pulled out to cool down and receive liquids before he or she even feels heat fatigue.

Benefits

- Real-Time Temperature Monitoring and Alerts
- Real-Time Data Recording
- Visual and Audible Alert System
- Wireless Monitoring
- 300 Meter Read Range
- Customizable Database
- Non-Invasive
- Minimal Equipment/Devices
- Easy to install and setup
- Biosensor is easily integrated into various types of helmets



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Hardware Specifications

Helmet Biosensor

- Multiple biosensor monitoring - up to 1000 in read zone
- Power Source - lithium battery
- Dimensions - 45 mm x 21 mm x 5 mm
- Weight - 27 grams
- Water, impact and heat resistant.
- Read/Write range - 300 meters

Handheld

- Microsoft® Windows® CE 5.0
- Handheld - 128 MB flash, 128 MB RAM
- Color Touch Screen Display - 3.6 in. (9.144 cm) diagonal
- Full VGA 480x640 resolution
- Sunlight readable
- Touch screen (standard) - Passive stylus or finger operation
- Audio 90 dB mono speaker, Mono microphone 86 dB beeper
- AC power supply
- Desktop Docking Station (Recharge and Upload Data)

Software Specifications

- Cloud architecture over WiFi or GPRS
- Hosted server for easy reporting and data entry
- Printable and customizable reports
- Data entry or upload from .csv file
- Easy planning and personnel list creation



Alert Screen on a handheld



Personnel Details

About Hothead Technologies, Inc.

Hothead Technologies, Inc., is a Dallas based company offering a patent-pending monitoring solution—the Heat Observation Technology (H.O.T.)™ system. The system was designed as an aid in the prevention of heat-related illness in athletes. Now, Hothead Technologies is targeting additional segments that have a need for biosensor technologies such as public safety, military, industrial, health and other markets. “Hothead,” “Hothead Technologies,” “Hothead Sports,” “Heat Observation Technology (H.O.T)” and the “Hothead Technologies” and “Hothead Sports logo” are registered marks of Hothead Technologies, Inc.