

Ignoring Heat is not an Option.

Prevent Heat stress with Body Temperature Monitoring

While firefighting inherently involves risks, some are preventable. Unchecked heat exposure poses grave threats, causing heat-related illnesses and long-term health issues, compromising performance and safety. Long-term consequences include cardiovascular events, neurodegenerative diseases, and elevated fatigue levels, impacting performance and safety.

What contributes to firefighters' intensive thermal strain?

- Face radiant heat exceeding 600 degree Celsius.
- Physical exertion levels comparable to professional athletes.
- Wearing heavy turnout gear that impedes cooling.
- Prolonged deployment in scorching sun and humid conditions.
- Individual characteristics including age, fitness level, BMI, and overall health status.

Average

2.400

firefighters report thermal stress injuries annually.¹

In a ten year period

255

firefighters lost their lives due to heat stroke.²

Sudden cardiac deaths

45%

among the causes is repeated exposure to hot conditions.³

Measure, Act, Protect!



Our CALERA® solution offers an innovative approach to **monitor core body temperature continuously, alerting** firefighters when to take preventive action to **avoid excessive heat strain.**



Our cutting-edge technology ensures reliable, non-invasive monitoring of core body temperature, even in extreme environmental conditions. With CALERA®, firefighters stay ahead of heat-related risks, and take timely interventions to prevent heat-related illnesses and injuries.

Product features

- › Measures core body temperature and heat strain.
- › Reliable data despite extreme hot environments.
- › Comfortable under turnout gear.
- › Water and sweat proof.
- › Rechargeable with 6 days battery power.
- › Team dashboard.



More info

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