



QUESTemp° II Monitor

PERSONAL HEAT STRESS MONITOR

Typical Applications

- Military Training Facilities
- Commercial and Naval Ships and Submarines
- Athletic Training and Events Facilities
- Manufacturing Plants
- Commercial Bakeries
- Power Generation Plants
- Warehousing and Distribution Centers
- Shipbuilding Operations



QUESTemp° II

- Belt Worn Personal Monitor
- Audio Alert
- Temperature Sensor
- IP54 Water and Dust Resistance Rating
- Summary and Detailed Time History Data
- Real Time Clock

The Issue

Area Heat Stress monitors don't recognize that physiological responses to heat stress can vary widely from person to person. More physically fit workers may tolerate heat better than less physically fit workers. Workers acclimatized to the environment may tolerate heat better than those unacclimatized to the hot environment or work load. Persons taking prescription or over-the-counter drugs may also be less tolerant of heat than when they are not taking these drugs.

The Solution

Quest Technologies' Personal Heat Stress Monitor provides an additional level of protection by directly detecting the individual's physiological response. Core temperature of the external auditory canal near the tympanic membrane of the ear is the vital sign monitored and recorded to verify an individual's response to heat stress. User-selected alarm trip points provide an audio alert to worker's experiencing elevated core temperatures. This device was created to work in conjunction with a well-managed heat stress safety program. Recorded data may also be used to evaluate worker response to heat stress loads and assist in developing preventive measures.

