QUESTemp° Personal Monitors

Personal monitoring for added peace of mind

The QUESTemp° II personal heat stress monitor provides an additional level of data by directly detecting the individual's physiological heat response. User-selected alarm trip points provide an audio alert to workers experiencing elevated core temperatures. This instrument is ideal for applications where individuals face a wide range of heat exposure. It allows safety directors to monitor personal heat stress levels and create heat stress measures that can minimize risk.

Key Features

- Compact size combined with belt or pocket attachment allows for convenient personal monitoring
- E.A.R. "Earlink" earplug covers ear canal sensor providing a comfortable vehicle for measurement and warning if dangerous deep body core temperatures are reached
- Minute-by-minute data logging allows for documentation of personal heat exposure
- Intrinsic safety certification for monitoring in potentially hazardous locations where heat is often extreme

SPECIFICATIONS FOR QUESTEMP° II PERSONAL HEAT STRESS MONITORS
SENSOR:
Thermistor Temperature Sensor Accuracy and ranges: +/-0.1° C (0.2° F) from 32° C to 40° C (89.6° F to 104° F)
MEASUREMENT PARAMETERS:
Temperature reading: Celsius or Fahrenheit
Time stamping with clock
10 second data logging intervals
Overall summary data
Detailed time history data
MECHANICAL DESIGN:
IP54 water & dust ingress protection rating
Case (Aluminum): 13 x 6.4 x 2.5 cm (5.1" x 2.5" x 1")
Weight Housing: 283 g (10 oz) Ear sensor assembly: 4.2 g (0.15 oz)
OPERATING TEMPERATURE RANGE:
Unit: 0° C to 70° C (32° F to 158° F)
OPERATING HUMIDITY:
0% to 95% (non-condensing)
DATA MANAGEMENT:
QuestSuite™ Professional
OUTPUT:
RS-232 serial printer / computer interface
Audio Alert
POWER SOURCE:
9V disposable batteries (60 hrs)
STANDARDS / APPROVALS:
Intrinsic Safety UL/CSA standards for Class I groups C & D; Class II groups E, F & G; Class III temperature code T3C
Electromagnetic conformance: CE Mark
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