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.

**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
- Patent number: 5062432

**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