

Quest Technologies

Quest Temp 34 Area Heat Stress Monitor

Pine Item #54474

DESCRIPTION:

The QUESTemp 34 area heat stress monitor struts its stuff with its ability to protect groups of workers with a single instrument. The dry bulb sensor measures ambient temperature. The wet bulb sensor takes into account evaporative cooling, giving an indication of the effects of humidity on an individual. And the globe sensor provides an indication of radiant heat exposure due either to direct light or hot objects in an environment. The QUESTemp 34 environmental monitor converts all these measurements to a simple, single-number indoor and outdoor WBGT index that can be used in conjunction with guidelines from ACGIH, the U.S. Navy, EPRI, ISO, and other standards-setting organizations. Use the QUESTemp 34 area heat stress monitor with any of these guidelines to determine appropriate work and rest regimens or stay times for workers in situations where heat stress is a life safety issue and a liability risk. While the QUESTemp 34 will print a report without the need for special software, Quest Suite software, an optional rental item, facilitates custom reports and graphs.



APPLICATIONS:

- Health and safety testing
- Military training facilities
- Athletic training & events facilities
- Warehousing & distribution centers
- Manufacturing plants
- Nuclear & fossil fuel power generation plants
- Shipbuilding operations
- Occupational heat stress management
- Indoor air quality investigations
- Thermal comfort monitoring
- Risk analysis of job function or activity

FEATURES:

- Heat stress monitor with an integral RH sensor for quick, accurate indoor or outdoor WBGT index values
- Meets ISO requirement for head, torso, and ankle measurements
- Optimizes safe work time with real-time guidance on work/rest regimens
- Measurements up to 200 feet (60m)

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Product Specifications

Measurements	Globe dry bulb wet bulb WBGT _{in} WBGT _{out} WBGT weighted average (if 3 sensor sets) relative humidity and Heat Index / Humidex. Temperatu
Data Logging	Records and prints all measurements at user selected interval of 1 2 5 10 15 30 or 60 minutes. 128K bytes of data memory.
Languages	English French Spanish Italian German
Housing	Designed water resistant to a light rain or mist. If rain is frequent best practice would be to remote the sensor bar and keep the instrume
Size	Height 9.2in (23.5cm); Width 7.2in (18.3mm); Depth 3.0in (7.5mm). Dimensions include mounted sensor assembly
Weight	2.6 lbs. (1.2 kg) with mounted sensor assembly
Sensor Types	Temperature: 1000 ohm platinum RTD. Humidity: Integrated circuit with capacitive polymer sensor
Accuracy	Temperature: +/-0.5°C between 0°C and 100°C Relative Humidity: +/-5%
Operating Temperature Range	Sensor Assembly: -5°C to +100°C Electronics: -5°C to 60°C
Operating Relative Humidity Range	0 to 100% (extended exposure to humidity > 90% can cause a reversible shift of 3%)
Remote Sensor Bars	2 x 15pin D-sub jacks are located on the side of the unit for plugging in 1 or 2 additional sensor bars by using remote cables up to 200 fee
Power Options	9V alkaline 7.2V NiMH rechargeable pack (charged in the unit) or AC adapter wall power cube (AC adaptor will operate the unit or recharge
Battery Life	9V alkaline: 140 hours. Rechargeable Nickel Metal Hydride: 300 hours. (Adding additional sensor bars to the QUESTemp [®] 34 reduces battery life
Safety Approvals	ETL cETL: Class III Groups ABCDEFG Temperature code T3 DEMKO: EEX ia IIC T3 CE mark
Dimensions	US: 9.2 x 7.2 x 3. Metric: 233 x 182 x 76 mm
Weight	US: 2.6 lb. Metric: 1.2 kg



Video:
<https://youtu.be/4lnzdFk-mq-o>



Local Delivery Pick-up



In-Stock Equipment



Repair & Calibration



Rental Protection Plan