



The QUESTemp° 36

The datalogging QUESTemp° 36 is the premier monitor within the QUESTemp° Series of Thermal Environment Monitors.

The QUESTemp° 36 further simplifies heat stress management efforts by providing users with realtime guidance on stay times and work/rest regimens. Guidance is based on screening criteria for heat stress as defined in the ACGIH TLV Handbook, U.S. Navy PHEL Charts and EPRI Action Limits.

The QUESTemp° 36 eliminates the need to carry paper charts, pocket guides and look-up tables into the field.

An optional detachable probe for measuring air velocity extends the applications for the QUESTemp° 36 beyond traditional heat stress measurements. The QUESTemp° 36 can be used as an indoor thermal comfort monitor using the air velocity probe, temperature and RH sensor readings simultaneously.

Other applications include verification of air flow in fume hoods or rooms normally requiring a minimum amount of air flow to be safe for occupancy.

QUESTemp 36 Technical Specifications

Input:

- RTD Temperature Sensor

- Capacitive Polymer Relative Humidity Sensor
- Hot Wire Air Velocity Sensor

Measurement Ranges:

- Temperature: -5 to 100°C (23 to 212°F)
- Relative Humidity: 0 to 100%
- Air Velocity: 0 to 20 m/s

Accuracies:

- Temperature: +/- 0.5°C (0.9°F)
- Relative Humidity: +/- 5%
- Air Velocity: +/- 5%

Parameters:

- Celsius and Fahrenheit Scales
- Multiple Language Support
- Includes Clock/Calendar
- 1,2,5,10,15,30 or 60 min Datalogging Intervals
- Computes Heat Index/Humidex
- Includes Air Flow Measurement Channel

Output:

- RS-232 Serial Computer/Printer Interface
- Parallel Printer Interface

Independently Certified Standards:

- Intrinsic Safety:
Note 1: UL/CSA Standards for Class i, Groups A, B,C & D;
Groups E, F & G; Class. Temperature Code T3 & European
Standards for EEX ia IIC, T3.
- Electromagnetic Conformance:
CE Mark

Power:

- 9V Disposable Batteries (150 Hrs.)
- NiMH Rechargeable Battery Option (300 Hrs.)
- AC Power Adapter

Case Size (Aluminum):

- 9.2 x 7.2 x 3" (23.5 x 18.3 x 7.5 mm)

Weight:

- 2.6 lbs (1.2 kg)
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