



QUEST TEMP 34 THERMAL ENVIRONMENTAL MONITOR

DESCRIPTION: The QUEST TEMP³⁴ data logging area heat stress monitor measures four parameters: ambient or dry bulb temperature (DB), natural wet bulb temperature (WB), globe temperature (G), and relative humidity (RH). It computes the Wet Bulb Temperature (WBGT) and the Heat Index (HI) or the Canadian Humidex. Using inputs on the side of the instruments, two additional sensor arrays can monitor up to three locations simultaneously.

SPECIFICATIONS:

Measurements: Globe, dry bulb, WBGT_{in}, WBGT_{out}, WBGT weighted average (if three sensor set), Relative humidity, and Heat Index/ Humidex.

Temperature: Given in Celsius or Fahrenheit

Data Logging: Records and prints all measurements at user selected interval of 1,2,5,10,15,30, or 60 minutes.

Weight: 2.6 Lbs with mounted sensor assembly

Accuracy: Temperature $\pm 0.5^{\circ}\text{C}$ between 0°C and 100°C , Relative Humidity: $\pm 5\%$

Operational Temperature Range: Sensor Assembly -5°C to 100°C

Operating Relative Humidity Range: 0-100% (extended exposure to humidity $>90\%$ can cause a reversible shift of 3%.

Power Options: 9V alkaline, 7.2V NiMH rechargeable pack (charged in the unit), or AC adapter wall power cube (AC adapter will operate the unit or recharge the NiMH battery pack).

Battery Life: 9V Alkaline 140 Hours, Rechargeable Nickel Metal Hydride: 300 Hours.