

HeatStressLynk

Environmental Heat Stress Monitoring System
Wet Bulb Globe Temperature Meter



SensorLynx® is a revolutionary monitoring system which measures a variety of workplace hazards with one common system. This versatile monitor can be expanded by linking from one to ten application-specific modules via snap-on or cable (for remote monitoring).

The HeatStressLynk module measures, according to legislated practices, human occupational heat stress exposure. The measurements used are the indoor and outdoor Wet Bulb Globe Temperatures (WBGT), based on the American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit values.

HeatStressLynk Features / Advantages

- Direct reading of outdoor and indoor WBGT, WB, DB or Vernon Globe equivalent temperatures
- Calculates work-rest ratios
- Calculates time-weighted mean WBGT
- Calculates metabolic rates and clothing type factors
- Accuracy with calibration certificate
- Intrinsically safe (CSA)
- Audible and visual alarms
- Hand held
- Flexible design allows up to ten application-specific module attachments
- Remote sensing capability with extension cables
- Common software and datalogging
- Splash and dust resistant
- Easy to operate
- 2-year limited warranty

The SensorLynx® HeatStressLynk Kit includes:

- BaseLynk with battery pack, RS232 data cable, power adapter/charger
- HeatStressLynk with sensors, Wet Bulb kit and water bottle
- Carry case
- Datalogging software
- Operator's manual
- Certificate of Calibration



SensorLynx System with a variety of application-specific snap-on modules.

Specifications

Mechanical

Dimensions	6.2" x 7.9" x 3.3"
Weight	1.46lb. (0.66kg)
Housing	Rugged, compact ABS polycarbonate alloy
Alarms	Both audible and visual

Range

Operating temperature	0 C to 70 C
(full kit)	32 F to 158 F
Operating temperature	-20 C to 85 C
(sensor module remoted)	-4 F to 185 F
Operating humidity	5 to 95% RH
Storage temperature	-20 C to 85 C
	-4 F to 185 F

Accuracy

Resolution	0.1 C / 0.1 F
Sensor accuracy	0.4 C / 0.7 F
T63 Response time: WBGT 6 minutes	
Function check mode built into unit.	

Battery Life

Rechargeable 2,700mAh Ni-MH battery gives 60 hours of continuous operation when fully charged. Charger Plugs into monitor. Unit may also be powered by an AC plug adapter.

CSA Approved

Intrinsically Safe Class 1, Division 1, Groups A,B,C,D. Temperature Code T4 AMB -20 C < Ta < 70 C

PC Software and Datalogging

DataLynk Software communicates with the BaseLynk to download, view, graph, manipulate and store measurement data from all SensorLynx modules attached.

- Data can be logged at preselected intervals of 30 seconds up to over 23 hours. The maximum data record count is 14,336 records. Battery backup feature secures data.
- PC software is compatible with Windows® 95, 98, 2000, and NT.

Sensors

Globe Temperature

Patented construction provides characteristics identical to 6" Vernon Globe.

Dry Bulb

Ambient air temperature

Wet Bulb

Wick-covered sensor with reservoir; wetted with distilled water.

WBGT Value Calculations

WBGT (outdoor) 0.7WB + 0.2GT + 0.1DB

WBGT (indoor) 0.7WB + 0.3GT

WB = Wet Bulb

GT = Vernon Globe Equivalent Temperature

DB = Dry Bulb

Accessories / Replacement Parts

1.5A Power Supply / Charger	Part No. SL-A0000
Replacement Battery Pack	Part No. SL-R0000
DataLynk Cable (RS-232)	Part No. SL-A0001
Yearly Calibration Certificate	Part No. SL-C0001
DataLynk Software (CD ROM)	Part No. SL-A0002
DataLynk Software (Disk)	Part No. SL-A0003
HeatStressLynk Module	Part No. SL-L0002
HeatStress Lynk Wet Bulb Kit	Part No. SL-A0004
RemotelyCables	Part No. SL-A0007
Standard: 25ft, 50 ft, 100ft	
Other lengths available upon special request.	
Leather Case for 1 Lynk	Part No. SL-A0008
Leather Case for 2 Lynks	Part No. SL-A0009
Small SensorLynx Case	Part No. SL-A0005
Large SensorLynx Case	Part No. SL-A0006

Other SensorLynx environmental monitoring modules are being developed and tested for future availability.

For additional information:

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