Innovative Handheld Heat Stress Monitor



TWL-1S

Authorised Distributor

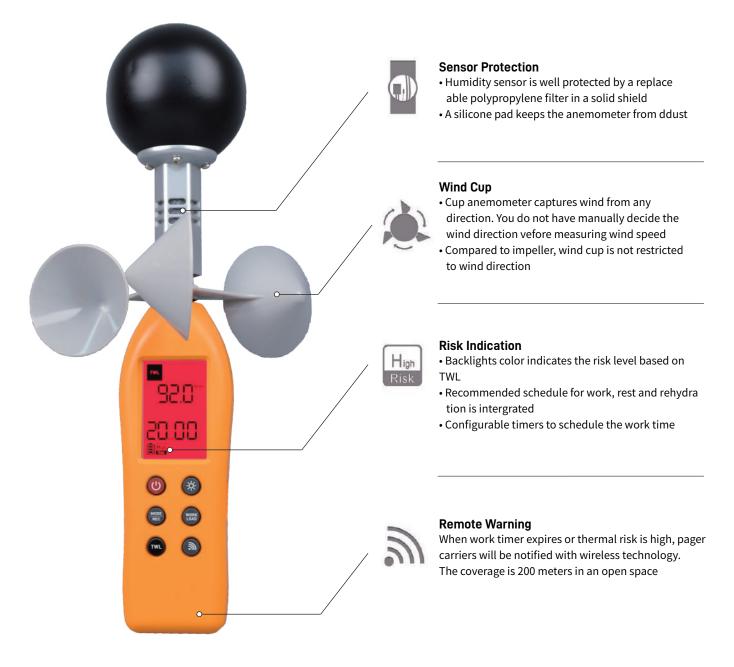


ACEZ INSTRUMENTS PTE LTD TEL: (65) 6268 0100 EMAIL: sales@acez.com.sg

DESIGNED FOR EASY HEAT RISK ASSESMENT

- 4 essential sensors for thermal comfort measurement
- Built-in WBGT and TWL algorithm
- Intuitive user interface wireless remote notification
- Shipped with tool box and tripod for easy carriage and use
- Scarlet software TWLIT for quick setup and data download

| Features





Low risk Unrestricted zone

TWL : >140

TWL-1S Monitor



Medium risk Cautionary zone

TWL : 115 - 140



High risk

TWL : < 115

Applications

It is essential to assess thermal risk and manage thermal hazards associated with the work environment and protect the health of the workforce in order to reduce time lost due to thermal illnesses and increase the efficiency of working in the heat. TWL-1S can be applied to outdoor and indoor work sites for assessing the thermal risk level. Once the TWL has been identified, there is a recommended schedule for enables the site managers to stay alert with alert with high thermal risk within 200 meters.









Open-cut mining

Aluminun,metal cable

Glass

Construction, cement

Data Logging

The advanced built-in data logger in TWL-1S allows you to do data logging while still keeping your screen active for other measuring activity. Keep your data logging active and monitor other measurement at the front screen. Getting two things done at the same time.



Data Logging icon

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Technical Specification

Sensor

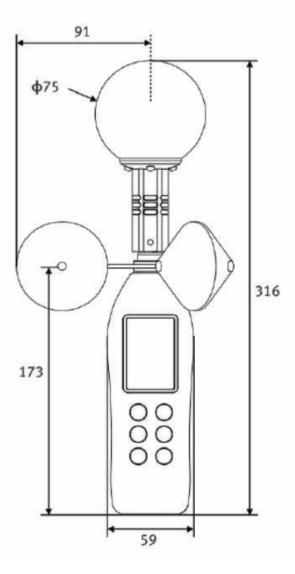
TWL-1S Heat Stress Monitor measures air temperature (T_a), relative humidity (%RH), globe bulb temperature (T_g) and wind speed (WS), whereas wet bulb temperature (T_w) is derived from T_a , %RH at sea level atmosphere pressure.

Heat Indecies

WBGT (Wet Bulb Globe Temperature) and TWL (Thermal Work Limit) can be calculated on the device. WBGT is derived from T_w, T_g or/and T_a wheather indoor or outdoor. TWL is derived from T_w, T_g, T_a WS with the assumption of safe maximum core temperature for human < 38.2°C

Calibration

Annual recalibration is recommended for the hummidity sensor with built-in calibration program and optional calibration kit.



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