

HD32.2

HD32.2 is a thermal microclimate data logger to measure **WBGT (Wet Bulb Globe thermometer temperature)** Index in Hot Environments according to ISO 7726 and ISO 7243.





DESCRIPTION:

The instrument is provided with three inputs for probes with SICRAM module: the probes have an electric circuit that communicates with the instrument; the sensor calibration data are saved in its permanent memory. All the SICRAM probes can be inserted in one of the inputs: they are automatically recognized when you switch the instrument on.

The main features of the instrument are:

- **Logging:** acquisition and memorization of data inside the instrument. Memory capacity: 64 different logging sections, with the possibility to set the acquisition interval of the samples. You can set the duration of the memorization and, with auto-start function; it's possible to set the starting and finishing date and the hour of data memorization.
- The measurement unit of the temperature visualized sizes: °C, °F, °K.

- The system date and hour.
- The visualization of the maximum, minimum and medium statistic parameters and their cancellation.
- The transfer speed of the data through the serial port RS232.

HD32.2 instrument can contemporarily detect the following sizes:

- **Globe thermometer temperature T_g.**
- **Wet bulb with natural ventilation temperature T_n.**
- **Ambient temperature T.**

On the basis of the detected measurements, HD32.2 can calculate:

- **WBGT(in) index** (Wet Bulb Glob Temperature: wet bulb and globe thermometer temperature) in presence or absence of solar irradiation.
- **WBGT(out) index** (Wet Bulb Glob Temperature: wet bulb and globe thermometer temperature) in presence of solar irradiation.

These probes are requested for the WBGT measurement:

- Dry bulb temperature probe [TP3207.2](#).
- Globe temperature probe [TP3276.2](#).
- Natural ventilated wet bulb temperature probe [HP3201.2](#).

HD32.2 is the portable version, mostly used in combination with a table stand (small tripod). For measurements during a longer period we suggest the version with a stable tripod [HD32.3A](#).

ACCESSORIES:

VTRAP30 Tripod to be fixed to the instrument, height 157 mm.

VTRAP32.2A.3A Tripod with instrument holder for HD32.2A.

HD32.2.7.1 Holder for 4 probes, to be fixed on the standard tripod for version HD32.2A.

HD2110RS Connecting cable with M12 connector on instrument side and with 9 poles SubD female connector for RS232C on PC side.

HD2110USB Connecting cable with M12 connector on instrument side and USB 2.0 connector on PC side.

BAG32TC Spare carrying case suitable for HD32.2 with probes with direct connection to the instrument.

BAG32TCA Spare carrying case suitable for HD32.2 with probes with 2 m cable.

DELTA LOG10 USB of DeltaLog10 software for PC data download and management. For Windows® operating systems.

SWD10 100-240 Vac/12 Vdc-1 A stabilized mains power supply.

AQC 200 cc distilled water.

HD40.1 Printer (HD2110RS cable is requested).

BAT-40 Spare battery pack for HD40.1 printer with built-in temperature sensor.

RCT Kit including 4 thermal paper rolls, width 57 mm, diameter 32 mm.