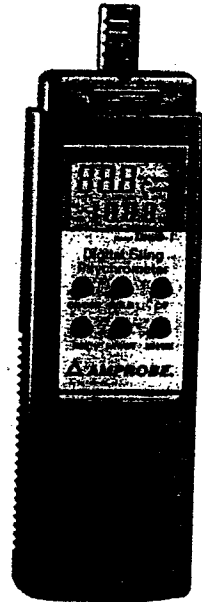


Pt. No. 97570
9/94

OPERATING INSTRUCTIONS Digital Sling Psychrometer



Model THWD-1

ISO-9002 SYSTEM CERTIFIED

 **AMPROBE INSTRUMENT***
DIVISION OF CORN INDUSTRIES INC

LIMITED WARRANTY

Congratulations! You are now the owner of an AMPROBE Instrument. It has been quality crafted according to quality standards and contains quality components and workmanship. This instrument has been inspected for proper operation of all of its functions. It has been tested by qualified factory technicians according to the long-established standards of AMPROBE INSTRUMENT.

Your AMPROBE instrument has a limited warranty against defective materials and/or workmanship for one year from the date of purchase provided that, in the opinion of the factory, the instrument has not been tampered with or taken apart.

Should your instrument fail due to defective materials, and/or workmanship during the one-year warranty period, return it along with a copy of your dated bill of sale which must identify instrument by model number and serial number.

For your protection, please use the instrument as soon as possible. If damaged, or should the need arise to return your instrument, it must be securely wrapped (to prevent damage in transit) and sent prepaid via Air Parcel Post insured or UPS where available to:

Service Division
AMPROBE INSTRUMENT
630 Merrick Road (For U.P.S.)
P.O. Box 329 (For P.P.)
Lynbrook, NY 11563-0329

Outside the U.S.A. the local Amprobe representative will assist you. The above limited warranty covers repair and replacement of instrument only and no other obligation is stated or implied.

Specifications

- Temperature Range: -20 to 50°C, -4 to 122°F
- Accuracy: $\pm 1^\circ\text{C}$, $\pm 1^\circ\text{F}$
- Resolution: 0.1% C, 0.1% F
- Humidity (RH) Accuracy: 0 to 100% RH, $\pm 3\%$ @ 25C from 10% to 90% RH, $\pm 4\%$ all other ranges.
- Memory, Min/Max
- Wet bulb temperature
- Dew point measurement
- Response time: 60 seconds typical.
- Battery: AAA Alkaline, 2 pcs. included.
- Data hold
- F/C switch
- Low battery indicator
- Auto power off
- Size: .13"(H) x 1.9"(W) x 6.7"(L) 16.5mm(H) x 48.5mm (W) x 170mm L
- Sensor cover with pocket clip

**AMPROBE INSTRUMENT
MODEL THWD-1 INSTRUCTIONS**

- (1) Remove protective sensor cover.
- (2) Turn meter on by pressing ON/OFF button.
- (3) Press C/F key to convert reading to desired range. Both temperature and relative humidity measurement will display simultaneously.

MIN/MAX FUNCTION

- (1) Press and hold MN/MAX button until (MIN) appears on display. Display is now showing minimum humidity and temperature reading in memory.
- (2) Press and hold MN/MX button again until (MAX) appears in display. Display is now showing maximum humidity and temperature readings in memory.
- (3) To return to current temperature and humidity readings press and hold MN/MX button until Min or Max disappears from display.
- (4) To clear current MIN and MAX readings from memory press and hold reset button until entire display flashes.

DATA HOLD FUNCTION

Press hold button until (HOLD) appears in display. The current reading is now being held and will not change until HOLD function is cancelled. Press reset button to cancel HOLD function. HOLD function can be used for temperature, humidity, dew point, and wet bulb.

DEW POINT FUNCTION:

Press and hold (td/WBT) button until td appears on left side of display. Unit will now display Dew Point temp.

WET BULB FUNCTION:

Press and hold (td/WTB) button until WB appears on left side of display. Unit will now display Wet Bulb temperature. Intermittent flashing of WB indicates that current reading is being calculated and updated due to constant changes in humidity and temperature in environment.

**TO EXIT DEW POINT/WET
BULB FUNCTION**

Press and hold td/WTB button until td or WB disappears from display.

AUTO POWER OFF FEATURE

Unit will turn itself off after 20 minutes. (Sleep Mode).

To override Auto Power Off functions (NON-SLEEP MODE) press ON/OFF and MIN/MAX button simultaneously. After the full display appears release ON/OFF button, the display will show "n" in the display. When "n" appears then release MIN/MAX button. Unit will now be in Non-Sleep Mode.

LO-BATTERY INDICATOR

Lo-Battery Indication is signaled by the entire display flashing. This is the signal to replace batteries at once. Failure to replace batteries will have an effect on the accuracy of the readings received from the hygrometer.

NOTE: Remember low batteries will tend to give inaccurate readings. So make sure you have good batteries.

CAUTION: Please do not immerse probe into liquids as this will cause permanent damage to the sensor.

