MODEL 800941R INSTRUCTION MANUAL

DIGITAL HYGRO-THERMOMETER
maximum and minimum temperature/humidity records with alert feature

FEATURES

- 2 rows LCD display.
- Indoor temperature or Humidity display with maximum and minimum record display at the same time.
- °C or °F range selectable at any time.
- High and low temperature and humidity alert feature.

SPECIFICATIONS

Temperature range: -25°C to +70°C (-4°F to +158°F)
Temperature resolution: 0.1°C (°F)
Temperature accuracy: ±1°C(±1.8°F) between -20°C to 50°C (-4°F to 122°F) otherwise ±1.5°C(±2.7°F)
Humidity range: 20%-99% RH
Humidity resolution: 1%
Humidity accuracy: ±4%RH between 20-60%RH at 25°C
±8%RH between 60-90%RH at 25°C

INSTALLING AND REPLACING THE BATTERY

The thermometer uses one ‘AAA’ size battery (1.5V DC), follow these steps to install or replace the battery:
1. Open the battery cover that below the stand.
2. Insert the battery as indicated by the polarity symbols (+ and -) marked inside the battery compartment.
3. Replace the battery cover.

OPERATION

TEMPERATURE AND HUMIDITY MEASURE
This unit will measure the temperature and humidity continuously. The temperature will be displayed in °C or °F unit. The unit can be selected by switching the °F/°C slide switch at the back of the unit.

DISPLAY
1. Maximum and minimum temperature/humidity record are shown together with current temperature/humidity at the same time.
2. The maximum temperature/humidity show in lower left LCD display.
   The minimum temperature/humidity show in right lower LCD display.

INDOOR TEMPERATURE OR HUMIDITY DISPLAY MODE SELECTION
1. Press Mode key to select display of temperature or humidity, user can view maximum and minimum temperature or humidity records at the same time.

CLEAR MAXIMUM AND MINIMUM TEMPERATURE RECORDS
1. Press the CLEAR key to reset maximum/minimum temperature/humidity record to the current temperature or humidity. The lower left and right LCD will display (- -) first to indicate record have been cleared then the records are updated to current temperature or humidity.

500941R MANUAL
TEMPERATURE / HUMIDITY ALERT FEATURE
User can preset upper / lower temperature / humidity limits to the unit. When current temperature / humidity is beyond the preset value, it will beep to alert user.

SETTING TEMPERATURE / HUMIDITY ALERT LIMITS
If user want to set the temperature limit then belows should change the display that show temperature by press the MODE key and apply the same procedure to set the humidity limit.

1. Press and hold SET key for 2 seconds to enter high alert mode then display will show HI at lower right of LCD with lower left of LCD show (- - -) for temperature alert or (- -) for humidity alert, it means alert is disabled.
2. Press MODE key to enable the alert mode then low left display change form dash (- - -) to digits display.
3. Press CLR MEM key to advance the digit to the desire value
4. Press SET key again to enter HI alert mode. The unit will enter Low alert mode then display will show LO at lower right of LCD. Apply the same procedure mentioned before to set the low alert mode.
5. When current temperature or humidity is beyond the high/low limit. It beep.
6. To stop beeping of unit, user must enter the alert setting mode again and disable the alert temperature / humidity by pressing the MODE key to change the preset value to dash (- - -) and exist the normal display mode.

USE OF THE SUPPLIED STAND
Flip out the plastic stand on the rear of the thermometer for table standing. Stand the thermometer on a flat surface.

WALL-MOUNTING THE THERMOMETER
Follow these steps to mount the thermometer on the wall:
1. Drive a screw into the wall at the desired location until the head extends 3.5mm from the wall.
2. Locate into the hanger slot on the back of the thermometer until it locks into place.

DESIGN AND SPECIFICATIONS ARE SUBJECTED TO CHANGE WITHOUT NOTICE.

WARRANTY
Sper Scientific warrants this product against defects in materials and workmanship for a period of five (5) years from the date of purchase, and agrees to repair or replace any defective unit without charge if your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover damage resulting from accident, misuse, or abuse of the product, batteries or probes, in order to obtain warranty service, simply ship the unit, postage prepaid to:

SPER SCIENTIFIC
7726 E. Redfield, Suite F, Scottsdale, Arizona 85250

Please note: The defective unit must be accompanied by a description of the problem and your return address. Please be sure to return your warranty registration card within ten (10) days of purchase.