1. SPECIFICATIONS

Display: LCD Dual display and Analog scale display.

Measurement Range:
- Humidity: 10% ~ 95% RH
- Temperature: 20°C + / - 60°C / - / + 140°F

Resolution:
- 0.1% RH, 0.1°C, 0.1°F

Accuracy:
- Humidity: ± 3% RH (at 25°C, 30% ~ 95% RH), ± 5% RH (at 25°C, 10% ~ 30% RH)
- Temperature: ± 0.8°C, ± 1.5°F

Sensor Type:
- Humidity: Precision capacitance sensor,
- Temperature: Thermistor sensor.

Response Time:
- Humidity: 45% RH ~ 95% RH ≤ 1 min.
- 95% RH ~ 45% RH ≤ 3 min.
- Temperature: 10°C / 2 sec

Sampling Rate: 2 times per second.

Auto Power Off: 3 minutes.

Operation Temperature & Humidity:
0°C to 60°C, below 95% RH (no condensation)

Storage Temperature & Humidity:
-10°C to 50°C, below 70% RH

Power Supply: Single 9v battery or 9V or IEC382, or NEDA1604.

Battery Life: Approx. 150 hours.

Weight / Dimensions: 200g / 225L x 50(W) x 38(H)mm

Accessories: Instruction manual, Battery and Soft case.

2. FRONT PANEL DESCRIPTION

(1) Humidity & Temp. Sensor probe
(2) Display
(3) Power key: Press Power key to turn the meter on or off.

(4) Hold key:
- Press Hold key to freeze or unfreeze the display readings.
- In the hold mode, press DEW / WET / %RH key to select desired display readings.
- Press and hold down Hold key 2 seconds to exchange the main display and second display reading.

3. MEASURING PROCEDURE

3-1 Humidity Measurement:
- Press the key to power on the meter.
- The display will show the humidity reading value (%RH) directly on the main display.
- When testing humidity value of a different environment, please wait a few minutes in order to obtain a stable (%RH) reading.

3-2 Temperature Measurement:
- Press the key to power on the meter.
- Press and hold down key for 5 seconds to switch between Celsius (°C) and Fahrenheit (°F) units.
- The display will show the Temperature reading (°C or °F) directly on the second display.

3-3 Dew Point Temperature Measurement:
- Press the key to power on the meter.
- Press DEW / WET / %RH key to select display dew point temperature reading on the main display.

3-4 Wet Bulb Temperature Measurement:
- Press the key to power on the meter.
- Press DEW / WET / %RH key to select display wet bulb temperature reading on the main display.

3-5 Maximum and Minimum Recorder Measurement:
- Press MAX/MIN key to enter the recorder mode and start timing.
- The auto power off function must be enabled.
Minimum Humidity & Temperature reading

Minimum Temperature & Humidity reading

Minimum Humidity & Elapsed time (min : sec)

Minimum Humidity & Elapsed time (day : hour)

Press MX/MN key 2 seconds to exit MX/MN mode.

3-6 Setting Auto Power Off Mode:
The meter will be Auto power off if there is no key pressed in 30 minutes. Auto power off function is on each time you turn on the meter and is automatically disabled when in MX/MN mode.

Select different time frame of auto power off function via the following selection:
001: To disable auto power off function
002: In 1 minutes to be auto power off.
003: In 3 minutes to be auto power off.
004: In 5 minutes to be auto power off.
005: In 10 minutes to be auto power off.
006: In 15 minutes to be auto power off.
007: In 30 minutes to be auto power off.
008: In 60 minutes to be auto power off.

Press key to turn off the meter.

Press and hold down HOLD key then press key to turn on the meter. Wait until main display shows 001. (Or any other time frame you wish.)

Press HOLD key to display the desired auto power off time.

4. MAINTENANCE

4-1 Cleaning:
Periodically wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents. Clean and dry as required.

4-2 Battery Replacement:
LCD display will show * symbol when the battery power is not sufficient for accurate testing. Replace with new batteries of same value.