Pen Type Hygrometer

Read Before Use

(1) Turn meter on by pressing ON/OFF button.

(2) Use a pen tip to press C/F key whenever you need to. Press C/F to convert reading to desired range. Both temperature and relative humidity measurement will display simultaneously.

1.MIN/MAX FUNCTION

(1) Press and hold MIN/MAX button until (MIN) appears on display. Display is now showing minimum humidity and temperature reading in memory.

(2) Press and hold MIN/MAX button again until (MAX) appears on display. Display is now showing maximum humidity and temperature readings in memory.

(3) To return to current temperature and humidity readings press and hold MIN/MAX button until Min or Max Diaspora from display.

(4) To clear current MIN and MAX reading from memory press and hold Reset button until entire display flashes.

2.DATA HOLD FUNCTION

Press hold button until (HLD) 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 and Humidity.

3.AUTO POWER OFF

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

To override Auto Power Off function (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 left side. When "n" appears then release MIN/MAX button. Unit will now be in Non-sleep Mode.

4CHANGE DEFAULT OF TEMPERATURE SCALE

4.1 Turn off the meter.

4.2 Press ON/OFF button. When LCD displays full readings, press C/F button and the LCD shows original temperature default "°C "or "°F" right down the corner.

4.3 Press MAX/MIN button to switch the default °C or °F. Press C/F button to save the new temperature scale default and LCD will show "%MIN" right up the corner. Turn off the meter. The procedure is completed.
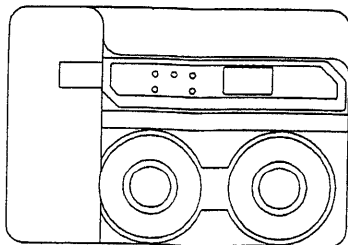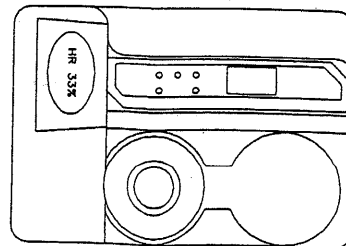

FIG 1   FIG 2

5.CHECK AND CALIBRATION

※ The carrying case is for not only storage (see FIG1)but also calibration (see FIG2).

5.1 Check Humidity 33%

5.1.1 Turn on the meter.   Plug unit in 33% salt reference bottle and put unit into the carrying case as shown FIG2.   Check the reading on LCD after 40 minutes.   If the display reads between 31.5% and 34.5%, that means the meter is accurate.   Otherwise, it needs to be recalibrated.   Please calibrate the meter by following calibration instruction 5.3.A.

5.2 Check Humidity 75%

5.2.1 Turn on the meter.   Plug unit in 75% salt reference bottle as you do in step 5.1.1.   Check the reading on the LCD after 40 minutes.   If the display reads between 73.5% and 76.5%, that means the meter is accurate.   Otherwise, it needs to be calibrated.   Please calibrate the meter by following calibration instruction 5.3.B.

5.3 Calibration

A.Calibration for Relative Humidity 33%

1.Turn off the meter.
2.Press On/OFF button.   When LCD displays full readings, press C/F button after plugging the meter in the 33% salt reference bottle for 40 minutes(you have done in 5.1.1).
3.Press RST button and the LCD shows "%MIN".
4.Press C/F button to save the calibration value of 33%.   The LCD shows "S" for 2 seconds and then the "%MAX" shows right up the corner of LCD.
5.Turn off the meter.   The calibration of 33% is completed.

B.Calibration for Relative Humidity 75%

1.Turn off the meter.
2.Press On/OFF button.   When LCD displays full readings, press C/F button after plugging the meter in the 75% salt reference bottle for 40 minutes.(you have done   in 5.2.1)
3.Press RST button twice and the LCD shows "%MAX".
4.Press C/F button to save the calibration value of 75%.   The LCD will show "S" for 2 seconds and then resume normal measurement.
5.Turn off the meter.   The calibration of 75% is completed.

6.CHANGE BATTERY

(1)Use a coin to turn off the battery cover.
(2)Put the battery whose "+" faces out into the battery compartment and place the battery cover back and lock it.

SPECIFICATION

Size	17.5cm × 4.2cm × 1.6cm
Battery	(1) 2032 Life-150hrs.
Sensor	Electronic Capacitance Ploymer Film Sensor
Accuracy	±5% from 5 to 95%RH at 25℃
	±1℃ from −10 to 45℃
Resolution	0.1℃/ 0.1℉

※ Remember Low Batteries will tend to give inaccurate readings, so make sure you have good batteries.

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

Operation Manual On 8709 Pen Type Hygrometer

Read Before Use

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3.AUTO POWER OFF

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

To override Auto Power Off function (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 left side. When "n" appears then release MIN/MAX button. Unit will now be in Non-sleep Mode.

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4.1 Turn off the meter.

4.2 Press ON/OFF button. When LCD displays full readings, press C/F button and the LCD shows original temperature default "°C "or "°F" right down the corner.

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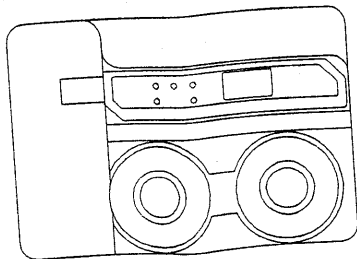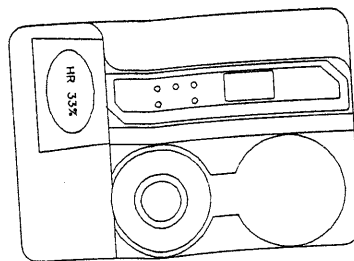

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5.Turn off the meter. The calibration of 75% is completed.

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