1. Functions

For safe usage of this device, please observe all statements regarding - Remove the battery when the device will not be used for a long period of time.
- Do not use or store this device where it can be exposed to direct sunlight, places with wet conditions.
- Do not use or store this device where it will be exposed to water or in fields or objects that store static electricity.

DIGITAL HUMIDITY/TEMP. METER

TH-4000

TH-4000
Digital Humidity/Temp. Meter
Digital Humidity/Temp. Meter

2. Measuring Procedure

Default settings:

1. Insert the Battery into the Battery Box. (Refer to section 6 Battery Replacement).
2. Insert the probe into the input socket.
3. Press the [POWER] button to switch-on the device.
4. Hold out the probe to the space.
5. The measured value will show on the display.
6. Press the [POWER] button for at least 2 seconds to switch-off the device.

3. Functions Operation

a. Dew Point measurement
1) During the measurement, press the [FUNC] button to switch the humidity value to Deep point value on the main display.
2) To view back humidity value, press the [FUNC] button again.
b. Data Hold
1) During the measurement, press the [HOLD/ESC] button to hold the last measured value on the display.
2) To start recording the measurement data, press the [REC/ENTER] button once to display the Maximum measured data recorded.
c. Data Record (Max./Min./Reading)
1) To start recording the measurement data, press the [REC/ENTER] button once again to exit the Data Hold function.
d. Auto Power Off
1) When the main display shows "          " and sub display shows "MIN" symbol will appear on the display.
2) While the "REC" symbol is on display, press the [REC/ENTER] button again to exit the Data Hold function.
3) To exit the Data Record function, press the [REC/ENTER] button for at least 2 seconds.
e. Auto Power Off
1) The device automatically switch off if "11" is selected in Advanced Setting Procedure and none of the buttons are pressed for approximately 10 minutes.
2) The Auto Power Off function is disabled automatically while Data Record function is executed.

4. Generals Specifics

a. Setting Procedure of Auto Power Off function
1) Before executing Setting Procedure, exit the Data Hold function and the Data Record function.
2) Press the [REC/ENTER] Button for at least two seconds to enter the Setting Procedure.
3) When the main display shows "0000" and sub display shows "Co", please just press the [REC/ENTER] button.
4) When the sub display shows "OFF", press the [FUNC] button to select "0" or "11".
5) 0: Auto Power Off function is disable.
6) 1: Auto Power Off function is enable.

After selecting the desired value (0 or 1), press the [REC/ENTER] Button to save the setting.

Please just press the [HOLD/ESC] button to finish the Setting Procedure and return to the measure mode.

6. Battery Replacement
1) When the Low Battery indicator appears on the display, it is necessary to replace the battery to maintain accurate readings.
2) Remove the battery cover as shown below:
3) Replace the battery with a new one and position the new battery correctly inside the device's battery compartment.
4) Attach the battery cover.

* The unit cannot measure accurately after low battery indicator is displayed. Please replace the battery immediately.

8. Storage
For proper storage, avoid places where the device can be exposed to direct sunlight, high humidity, high temperature, vibration and shock, dust, rust, corrosion, etc. Remove batteries and electrode if the device will not be used for a long period of time.

7. RS-232 PC Serial Interface
The temperature measurements and measured data graph can be checked and viewed through the computer through the RS-232 output option in the unit.

a. Communication Setting

Baud Rate
9600
Data bit
8 bit
Parity
None
Stop bit
1 bit

b. Communication Format

D15 S (ASCII Code)
D14 4(Fixed)
D13
D12 D11 Amperage for Display, °C=1
D10 Polarity
D9
D8 - D1

For Example: HEX

02 34 31 30 31 30 30 30 30 30 32 34 32 0 D

9. Accessories
- Real-time Measurement Software: USB01
- USB cable: USB01
- AC/DC Adapter: ZTC0021

The probe is not sold separately. If the probe is damaged, please contact our sales representatives or distributors.

Customer Service

Address: 31-7 Chuo-cho, 2-Chome
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Tel: +81-3-37155151 Fax: +81-3-37104552
E-mail: webtech@linejp.com
Web: http://www.lineco.com

ATTENTION

1. Operation
- Do not use this device near machines that emit strong electromagnetic fields or objects that store static electricity.
- Do not drop or subject this device to strong impact.
- Do not use or store this device where it will be exposed to water or in fields or objects that store static electricity.
- Be careful of using this device in measuring sudden change of temperatures.
- Remove the battery when the device will not be used for a long period of time.
- Do not attempt to disassemble or modify this device.

SAFETY PRECAUTIONS

For safe usage of this device, please observe all statements regarding

CAUTION
Please do not wipe with benzine or thinner.
It may cause cracks or discoloration to the surface of the main unit.

* The Output and Display change timing are in real-time.

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