Humidity & Temperature Meter Instruction manual

wintact®

○ **WT83**
○ **WT83B**(Bluetooth type)

meterMate-RH

MeterMate App from Google Play or App Store.

Attention: MeterMate only supports Android 5.0 version or above.

Version：WT83/WT83B-EN-01

A.Introduction

Mini Humidity & Temperature Meter designed with fashion, small and portable appearance (App is just for the bluetooth version only). With safe and reliable performance stability, a low power consumption and high precision, etc.

B.components

① On/off &backlight
② Max and Min reading
③ Data hold
④ LCD
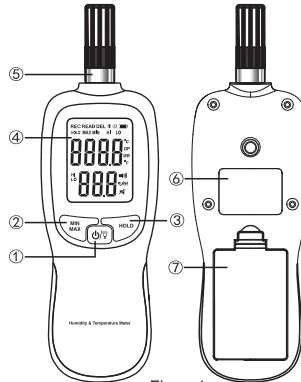⑤ humidity and temperature sensor
⑥ back sticker
⑦ battery door

Figure1

C.LCD

1.Data record
2.Data retrieving
3.Data deleting
4.Bluetooth(For the bluetooth version only)
5.Automatic power off
6.Battery volume
7.Low temperature
8.High temperature
9.Celsius degree
10.Dew point
11.Wet bulb temperature
12.Fahrenheit degree
13.Buzzer alarm
14.Relative humidity unit

Figure2
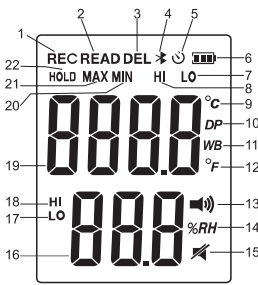
15.Turning off buzzer alarm
16.Humidity area
17.Low temperature
18.High temperature
19.Temperature display area
20.Minimum value
21.Maximum value
22.Data hold

D.Operation instruction

1.Power on

Short press on " ⏻/☀ "key and the full screen display appears for about 1.5 seconds. And the unit will turns off automatically if there is no further operation for about 15 minutes.

2.Power off

Long press on the " ⏻/☀ " key turns the unit off.

3. LCD

Short press on the " ⏻/☀ "key activates the backlight and press on it again to deactivate the backlight.

4.Minimum and Maximum value

Short press on " MIN/MAX " key to call for the maximum value since this powering on, and press again to call for the minimum value, and one more press on the " MIN/MAX " key to exit this mode.

5.Value hold

Press the " HOLD "key to hold the value and press it again to exit the value hold mode.

6.Switch the units

When the unit is off, press the " MIN/MAX " key and " ⏻/☀ "key until the " ----℃ "appears then release the keys, then short press the " HOLD "key to switch the units among the Celsius, dew point, wet bulb, long press the " ⏻/☀ "key to turn the unit off and save the setup.

7.Cancelling the automatic turning off function

When the unit is powering off, press the " HOLD "key and" ⏻/☀ " key until the NO appears then release the keys to enter into the measuring mode, finally power off the unit manually to delete the automatic turning off function with an icon " ⏱ " appears at the right upper of the LCD.

8.Data record、Data reading、Data delete functions (Just for the bluetooth version only).

In measuring, press the " MIN/MAX "key to enter into the mode of data record, access and delete modes selection, with the flashing character REC READ DEL appears at the left upper of the LCD, press the " MIN/MAX "key to select among data record, data access

and data cancel modes then press the " HOLD "key to return to normal measuring mode(it is highly recommended to operate the following steps in APP)

① Data record: in mode selection, press " MIN/MAX "key to switch to data record mode with the REC character flashing, short press the " HOLD "key and the flashing stops to confirm the data record can be carried out. The default ex factory is to record the next data at an interval of 5 seconds including the temperature and relative humidity, this setup can be changed in mobile phone app by clicking the start key to record the data and then return to the main interface to record data simultaneously, or exit App the unit record data automatically.

Note: the data is recorded after powering off and can be reviewed after next powering on and repeat the above steps.

② Data access: by pressing " MIN/MAX "key to switch to data access mode with the character READ flashing, short press on " HOLD "key the flashing stops to confirm the access of the recorded data and the first data recorded displays and 1 seconds later the next data of temperature and RF display. Press the " HOLD " key to show the next data and the number of this data recorded appears and 1 second later the RF value appears. Long press on " HOLD "key to read the data rapidly and hold on pressing the key to review the data of 10 pieces at a time. Use mobile App all the data up to **999** pieces can be accessed if the App returns to main window to measure the unit exits the READ mode automatically and cannot be operated by man to enter into READ mode.

③ Data cancel: in datea mode, short press the" MIN/MAX " key to switch to the data delete mode with character DEL flashing and short press the" HOLD " key to delete all the data recorded. This job can also be done in mobile phone App(after deletion of the unit display the delete window and then return to the App main window, wintact the Simultaneous Measure to exit the delete mode)

9、Alarm setup(For the bluetooth version only)

In mobile phone App to set up the alarm limit. If the value is beyond the limits set up and the Hi or Lo flashes the buzzer beeps if the alarm sound is activated.

10、Activate the alarm function

In measuring mode, long press the " HOLD "key to activate or deactivate the buzzer alarm.

E.technical parameters

Items	Range	Precision	Max response tiem
Surrounding Temperature	-20℃~70℃ (-4°F~158°F)	±1℃[1]	30s
RF range	0%~100%RH	±4%RH[2]	30s
Dew point range	-20℃~50℃	±2℃[3]	30s
Wet bulb range	-20℃~50℃	±2℃[4]	30s
Operating current	Without backlight：about 13mA; With backlight: about 17mA		
Powered by	3*1.5V AAA battery		
Size	184*56*36mm	Weight	129.2g

[1] Temperature Accuracy: ±1%℃ between 5℃~50℃ (41°F~122°F).

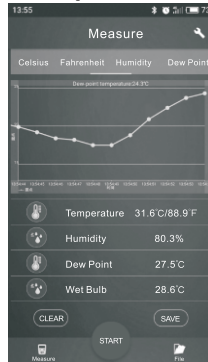[2] Humidity Accuracy: ±4%RH (25℃ (77°F)/10%RH~90%RH), Full range accuracy is ±5%RH.

[3] /[4] Dew point and wet bulb: ±2%℃ (5℃~50℃ (41°F~122°F)/ 10 %RH~90 %RH).

⚠ Warn: take out the battery if the unit is supposed not in operation for a long time less the electrolyte leaks and damage occurs.

Specific Declarations:
Our company shall hold no any responisibility resulting from using output from this product as an direct or indirect evidence.
We reserves the right to modify product design and specification without notice.

F.operation of MeterMate(For the bluetooth version only)
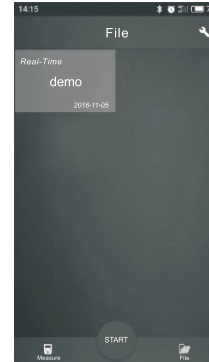
Ⅰ、 Measuring window

Tips: click App to enter into the window below: click the icon at the top right corner to switch between Chinese and English, and setup of the App. Switching between the Chinese and English will refresh the current data of window but will not impact the data and setups saved.

1.Navigation bar：Click the different unit to switch among the different measuring window.

2.Start button：Blue tooth connection widow appears if there is no blue tooth connection and click the search button to select the desired blue tooth connection and then start to measure.

3.Cancel button:To cancel the current measuring data.

4.Save button:To save the current measuring data.

5.The middle status bars to display the current parameters. The button at the bottom is for switching between measuring and text windows.
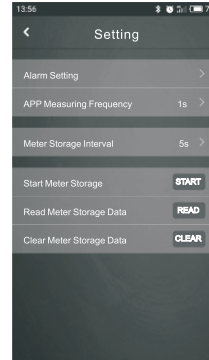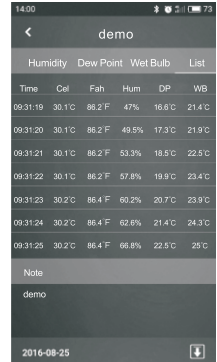
Ⅱ.Text window

1.Click to enter into the detailed info widow.
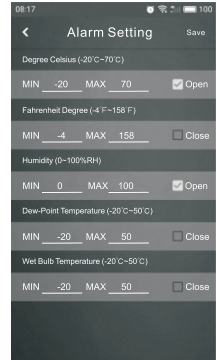2.Long press and drag the file to change its position.
3.cancel

Ⅳ.Setup window

1.Alarm setup:Click to enter into alarm setup window
2.Measure frequency:For setting up the current measuring frequency.
3.Save interval:For setting up the saving frequency.
4.Data access:Click to save mode window. If the unit is in process of measuring, the measure mode stop and access the data saved.
5.delete the saved record：Click delete button for delete operation
6.save button：For saving the data

Ⅲ.File detail information window

1.Click the unit under the navigation bar to review the different parameters.
2.Click the bottom right corner to save the data in format of Excel into the mobile phone.

Ⅴ.Alarm setup window

1.Set up in the window and then click Save button.
2.All the unit on/off button is used for turn on/off unit alarm.
3.The default limits are the measuring range of the unit.
4.If the value is beyond the limits preset the unit alarms.

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