

Air Flow Probe

DTHA2

UEi

# UEi

## Air Flow Probe

### Operation of DTHA2

#### 1. Specification:

Measure Item	Air Velocity	RH	Tair	Vbat
Range	1.1~20.0M/S	0.1%RH~99.9%RH	-15.0~50.0C 0.0~122.0F	0~4095
Resolution	0.1M/S	0.1%	0.1C 0.1F	1
Accuracy	3% of reading+0.2 m/s	+/-3%RH(at 25.C, 10~90%RH).Others +/-5%RH)	± 0.6C ± 1.0F	
Error message	E02/E03	E04/E11	E02/E03/E31	
Auto power off	5 minutes			
connection	Blue tooth 4.0 note1			
LED (on key)	Green: power on, battery OK.      RED: Battery low			
Battery life ( CR2032*2)	ABOUT 20 hours			
Power supply	6V ( CR2032*2)			

Note1: meter & blue tooth module protocol:

#### Performance:

1. Keys: "POWER"keys.

-Short press to turn on meter with 5 mins auto off function. Green LED always on.

Change to red LED while battery is low.

-Long press to turn on meter with non sleep mode. Green LED blink every 5 seconds.

Change to red LED while battery is low

-Long press to turn off meter

#### Power:

1. Power consumption: <8uA (turn off).

Operation temp.    -15.0~50.0°C

Operation RH%    <80%RH

Storage Temp.-15.0~50.0°C

Storage RH%      <90%RH

## 2. Trouble shooting and Error message:

### Trouble shooting:

Problem	Cause	Solution and remark
Power on but no LED light	1) Pressing the “On/Off ” key is too short 2) The battery are not good connect Battery are depleted	1) Make sure the time of pressing “On/Off ” key is more than 200 mS 2) Checks the battery are in place and make sure good contact and correct polarity. 3) Replace a new battery and try again.
BLE disappear	1) Low battery	1) Check whether the low battery indicator is displayed on before Display disappear, if yes replace a new battery.

### Error message table: ( This is for APP)

**Note:** when any error you should make sure the battery is all right first, you may replace with new battery and try again.

Error code	Issue	Solution
<b>Tair</b>		
E02	Measured temp. is too low	Leave in normal room temp. for 30 mins
E03	Measured temp. is too high	Leave in normal room temp. for 30 mins
E31	Temp. related IC is broken	Sent back to repair
<b>Velocity</b>		
E03	Measured wind speed is too high	Leave in mild wind to see if reading return to normal. If not, impeller might be damaged.
<b>rh</b>		
E04	Temp measuring is in error	

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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