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Prospect House
George Cayley Drive
Clifton Moor
York
England
YO30 4XE

Tel: +44 (0) 1904 692723
Fax: +44 (0) 1904 690385

E-Mail: sales@yorksurvey.co.uk



Thermo-Hygrometer with Dew Point



Code: 330600

Operating Instructions

1. Safety

Read the following safety information carefully before attempting to operate or service the meter.

Use the meter only as specified in this manual; otherwise, the protection provided by the meter may be impaired.

◆ Environment conditions:

RH \leq 90% (Non-Condensation)

Operating Temperature: -20°C~70°C

Storage Temperature: -30°C~70°C


◆ Maintenance

Repairs or servicing not covered in this

manual should only be performed by qualified personnel.

Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.

◆ Safety Symbol

 Comply with EMC

2. Introduction

The Humidity & Temperature Meter is designed with a high accuracy temperature & humidity sensor, providing high accuracy, fast response and stable readings. It is widely used for monitoring and collecting data of environment temperature and humidity.

This meter is widely used for measurement of temperature and humidity of room, metro, library, commercial center, communication center room, etc.

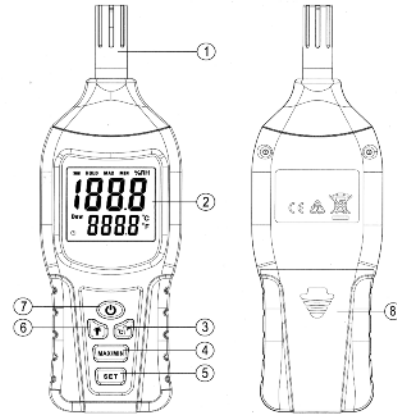
3. Features

- ◆ Temperature units: °C/°F
- ◆ MAX record
- ◆ MIN record
- ◆ Data hold
- ◆ Dew Point Temperature measurement
- ◆ Backlight display
- ◆ Resolution: 0.1%RH, 0.1°C
- ◆ Low battery indication

4. Specifications

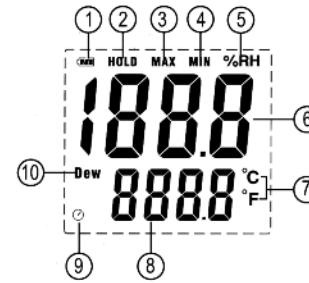
Humidity range	0~100%RH	
Humidity accuracy	0~20%RH, 80%~100%RH	±4.0%
	20%~40%RH, 60%~80%RH	±3.0%
	40%~60%RH	±2.5%
Temp. range	-20°C~70°C (-4°F~158°F)	
Temp. accuracy	-20°C~70°C (-4°F~158°F)	±1.0°C(±1.8°F)
Dew Point temp. range	-20°C~70°C (-4°F~158°F)	
Dew Point temp. accuracy	25°C;40%~100%RH	±1.0°C(±1.8°F)
Display	3 1/2 digits	
Data update	1 times/sec	
Auto power off	Meter automatically shuts down after approx. 15 minutes inactivity.	
Power supply	One 9V battery, 006P or IEC 6F22 or NEDA 1604.	
Battery life	at least 30 hours	
Operating conditions	-20°C~70°C, 10%RH~90%RH	
Storage conditions	-20°C~70°C, 10%RH~75%RH	
Dimension(L*W*H)	151g	
Weight:	158*62*32mm	

5. Meter Description




- ① Temp.& Humidity sensor
- ② LCD display
- ③ °C/°F selection key
- ④ MAX/MIN selection key
- ⑤ SET key
- ⑥ Backlight ON/OFF key
- ⑦ Power ON/OFF key
- ⑧ Battery compartment


6. LCD Display Description



- ① Battery icon
- ② Data hold icon
- ③ MAX icon
- ④ MIN icon
- ⑤ Humidity unit icon
- ⑥ Humidity record
- ⑦ Temperature units icon
- ⑧ Temperature record
- ⑨ Timing power off icon
- ⑩ Dew point temperature icon

7. Operation Instruction

- (1) Open battery cover and install a 9-volt battery in the battery compartment.
- (2) Power ON: Turn the meter on by pressing "⏻" button for 1 second until the LCD is lighted, then loose the button.
- (3) Power OFF: Turn the meter off by pressing and holding "⏻" button for approx. 3 seconds until the LCD is switched off, then loose the button.
- (4) When the low battery icon "" appears, replace the meter's battery.
- (5) °C/°F Selection

In the measuring mode, press "" button to convert the temperature units °C or °F.

(6) "MAX/MIN" button function

1) Hold: press "MAX/MIN" button once, "HOLD" icon will appear on the LCD, which indicates the data is frozen. To release the held reading, press the button again.

2) MAX/MIN record


Press and hold "MAX/MIN" button for three seconds, MAX icon will appear on the LCD, which indicates the current maximum


reading, press this button again to enter into MIN mode. Then keep pressing "MAX/MIN" for three seconds to exit MAX/MIN mode.

(7) "SET" button function

① Auto power off

Press "SET" button once to power on or off the meter.

When "" icon displayed on the screen, it indicates that the meter will automatically turn off after approx. 15 minutes of inactivity.

If there is no "" icon displayed on the screen, it indicates the power off function is disabled.


② Dew Point Temperature

Press and keep the "SET" button for three seconds until "DEW" icon appears on the LCD, which indicates the dew point temperature measurement is conducting. Then keep pressing this button for three seconds to exit it.

(8) "⏻" button function

After power on the meter, press "⏻" button once, the backlight will be on, press this button again to turn off it. The backlight will be automatically powered off in 30 seconds after turning on the backlight.

8. Notes

- (1) This meter has already been calibrated before delivery. Do not revise the calibration parameters without professional personnel and device. The recommended calibration period is one year.
- (2) Repairs or servicing not covered in this manual should only be performed by qualified personnel.
- (3) Wipe the unit with a dry soft cloth. Do not use abrasives or solvents on this instrument.
- (4) Remove the battery when the meter is to be stored for long periods of time to avoid battery leakage.
- (5) Replace new batteries when the low battery icon "" appears.

