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Manual
Paticle Counter
PCE-MPC 10

Please read this manual before switching the unit on.
Important safety information inside.

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1. Introduction

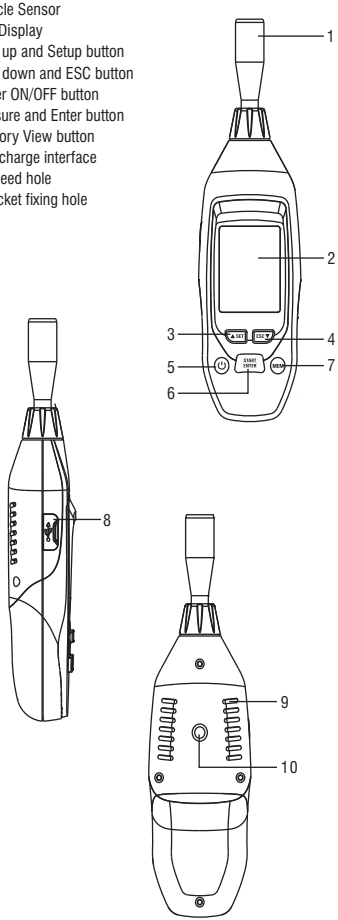
Thank you for purchasing this Mini Particle Counter PCE-MPC10.
The PCE-MPC 10 with 2.0" color TFT LCD display provides fast, easy and accurate readings for particle counter, particle mass concentration, Air temperature and relative humidity. The series products is a delicate and practical hand-held instrument, the real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in meter. It Would be the best instrument for environment protection and energy save.

2. Features

- 2.0" TFT Color LCD display
- 220*176 pixels
- Simultaneously measure PM2.5 and Pm10
- Air temperature and humidity
- Real time clock display
- Analog bar indicator
- Auto Power Off

3. Front Panel and Bottom Description

1-Particle Sensor
2-LCD Display
3-Page up and Setup button
4-Page down and ESC button
5-Power ON/OFF button
6-Measure and Enter button
7-Memory View button
8-USB charge interface
9-Air-bleed hole
10-Bracket fixing hole



4. Specifications

Particle Counter	PCE-MPC 10	
Channel	2.5um, 10um	
Mass Concentration	PM2.5: 0 ~ 2000ug/m³	
	PM10: 0 ~ 2000ug/m³	
Resolution	1ug/m³	
Air Temperature Measure		
Air Temp Range	0 ~ 50℃/32 ~ 122°F	
Resolution	0.1°C/°F	
Basic Accuracy	±1°C/2°F	
Humidity Range	0 to 100%RH	
Resolution	0.1%RH	
Basic Accuracy	±5%RH	0 ~ 20%RH
		80 ~ 100%RH
	±3.5%RH	20 ~ 80%RH

5. Power on or Power off

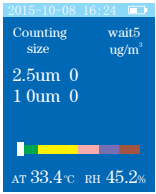
On the power off mode, press and hold ⏻ button, until the LCD is on, then the unit will power on.

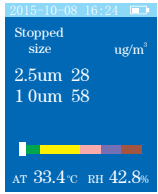
On the power on mode, press and hold ⏻ button, until the LCD is off, then the unit will power off.

6. Measurement Mode

On the power on mode, you can press the START ENTER button to start measuring PM2.5 and PM10, the top left corner of the LCD display “Counting”, the top right corner of the LCD display count down, LCD main display PM2.5 and PM10 data and temperature & humidity readings are at the bottom of LCD.

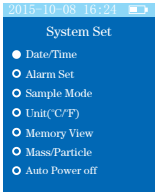
Press the button again to stop the measurement, the top left corner of the LCD display “Stopped”, The LCD display the last measurement data. Data will be automatically saved to the instrument memory, which can store up to 5000 data.





7. Setup mode

Powering on the instrument, Long press button [▲SET] to enter into the system setup mode when not do measurement operation, as shown below:



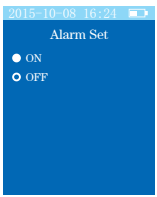
Press the [▲SET] button and the [ESC▼] button to select the menu option needed, then press button [START ENTER] to enter into the appropriate settings page.

7-1.Date/Time setup

After entering into Date/Time setup mode, press [▲SET] button and [ESC▼] button to select the value, press [START ENTER] button to set next value. After finished the setup, please press button [ESC▼] to exit time setting mode and returns to the system settings mode.

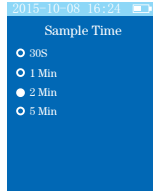
7-2.Alarm setup

Press button [▲SET] and button [ESC▼] to activate or deactivate alarm function.



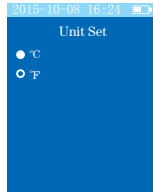
7-3.Sample Time

Press ▲SET button and thes ESC▼ button to select the sampling time, sampling time can be select by 30s,1min,2min or 5min.



7-4.Unit(℃/℉)setup

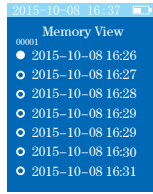
Press ▲SET button and the ESC▼ button to select the temperature unit (℃/℉).



7-5.Memory View

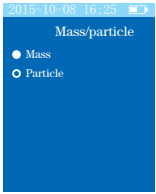
Press button ▲SET and button ESC▼ to select storage catalog, press START ENTER button to view data in selected storage catalog.

5000 sets of data can be stored in the instrument.



7-6.Mass/Particle setup

Press ▲SET button and the ESC▼ button to select the mode particle concentration and mass concentration mode.



7-7.Auto Power Off setup

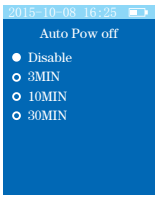
Press button ▲SET and button ESC▼ to set the auto-off time.

Disable: Power off function is deactivated.

3MIN: Automatically shutdown in 3 minutes without any operations.

10MIN: Automatically shutdown in 10 minutes without any operations.

30MIN: Automatically shutdown in 30 minutes without any operations.



8. Shortcut keys

Press the (MEM) button to quickly enter the storage data directory view, select the directory button to view the specific data.

In the main LCD interface, pressing and hold the [ESC▼] button then press the (MEM) button until the sound of a buzzer delete the stored data.

9. Product Maintenance

- Maintenance or service is not included in this manual, the product must be repaired by professionals
- It must use the required replacement parts in maintenance
- If the operating manual is changed, please instruments prevail without notice

10. Cautions

- Do not use in over dirty or dusty environment. Inhalation of too many particles will damage the product.
- To ensure the measure accuracy, please do not use in an over fogged environment.
- Do not use in explosive environment.
- Follow the instructions to use the product, privately take apart the unit is not allowed.

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