



# ADK Instruments PCE-MPC 10 Particle Counter User Manual

[Home](#) » [ADK Instruments](#) » ADK Instruments PCE-MPC 10 Particle Counter User Manual 

## Contents

- 1 ADK Instruments PCE-MPC 10 Particle Counter
- 2 Introduction
- 3 Features
- 4 Front Panel and Bottom Description
- 5 Specifications
- 6 Power on or Power off
- 7 Measurement Mode
- 8 Setup mode
- 9 Shortcut keys
- 10 Product Maintenance
- 11 Cautions
- 12 Documents / Resources
  - 12.1 References
- 13 Related Posts



**ADK Instruments PCE-MPC 10 Particle Counter**



## Introduction

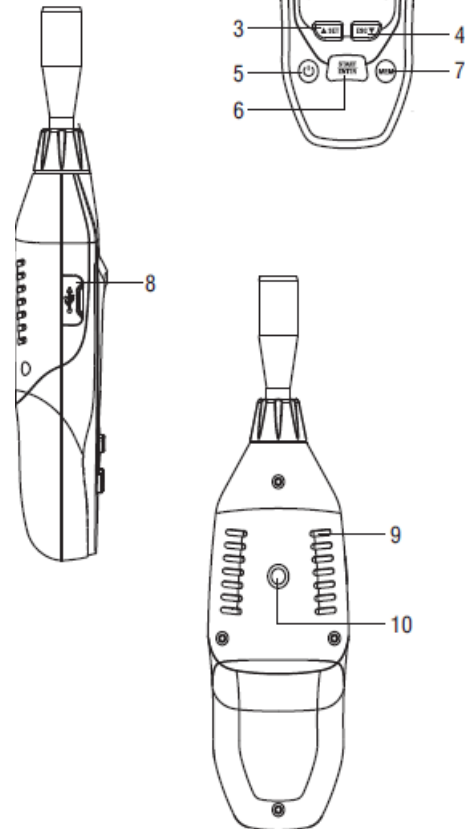
Thank you for purchasing this Mini Particle Counter P C E – M P C 10. The PCE-MPC 10 with 2.0" color TFT LCD display provides fast, easy and accurate readings for particle counter, particle mass concentration, Air temperature and relative humidity. The series products is a delicate and practical hand-held 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.

## 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

## 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



1. Particle Sensor
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## Specifications

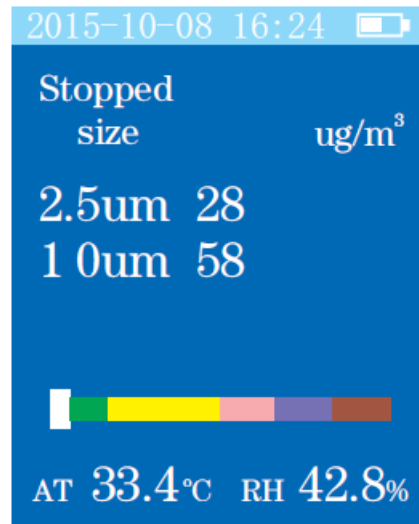
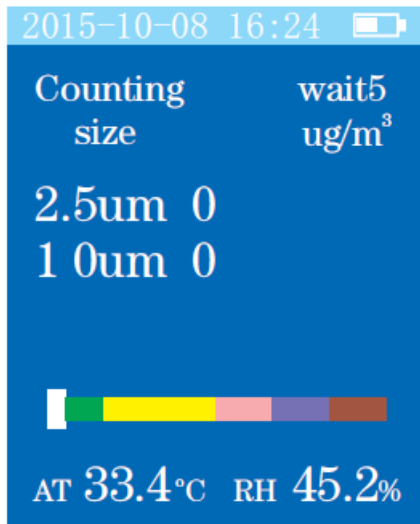
Particle Counter PCE-MPC 10		
Channel	2.5um, 10um	
Mass Concentration	PM2.5: 0 ~ 2000ug/m <sup>3</sup>	
	PM10: 0 ~ 2000ug/m <sup>3</sup>	
Resolution	1ug/m <sup>3</sup>	
Air Temperature Measure		
Air Temp Range	0 ~ 50°C/32 ~ 122°F	
Resolution	0.1°C/°F	
Basic Accuracy	±1°C/2°F	
Humidity Range	0 to 100%RH	
Resolution	0.1%RH	
Basic Accuracy	±5%RH	0 ~ 20%RH
		80 ~ 100%RH
	±3.5%RH	20 ~ 80%RH

#### 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.

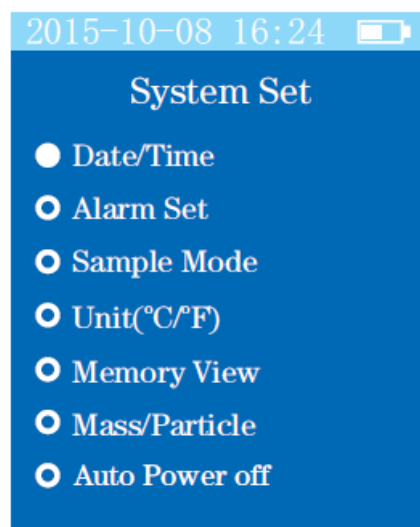
#### Measurement Mode

On the power on mode, you can press the 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.



## Setup mode

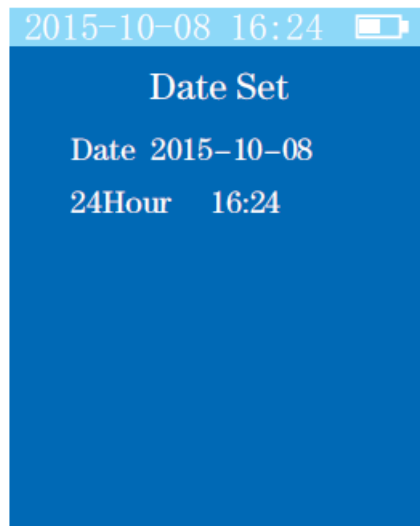
Powering on the instrument, Long press button to enter into the system setup mode when not do measurement operation, as shown below:



Press the button and the button to select the menu option needed, then press button to enter into the appropriate settings page.

## Date/Time setup

After entering into Date/Time setup mode, press button and button to select the value, press button to set next value. After finished the setup, please press button to exit time setting mode and returns to the system settings mode



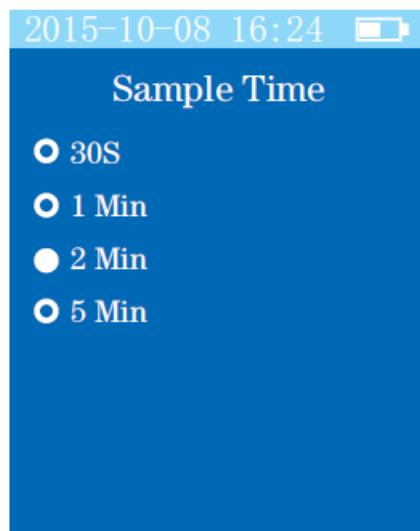
### Alarm setup

Press button and button to activate or deactivate alarm function.



### Sample Time

Press button and then button to select the sampling time, sampling time can be selected by 30s, 1min, 2min or 5min.



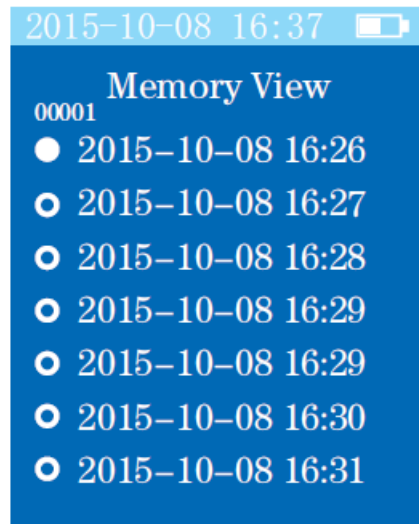
### Unit(°C/°F)setup

Press button and the button to select the temperature unit (°C/°F).



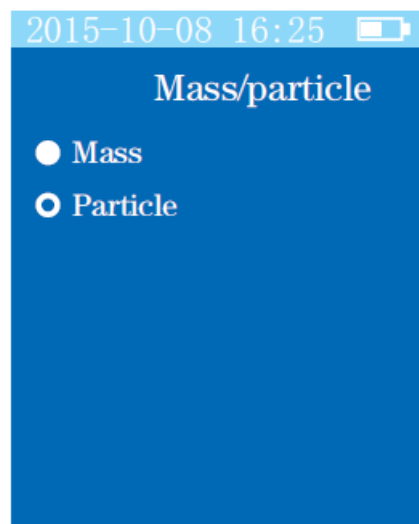
### Memory View

Press button and button to select storage catalog, press button to view data in selected storage catalog. 5000 sets of data can be stored in the instrument.



### Mass/Particle setup

Press button and the button to select the mode par ticle concentration and mass concentration mode

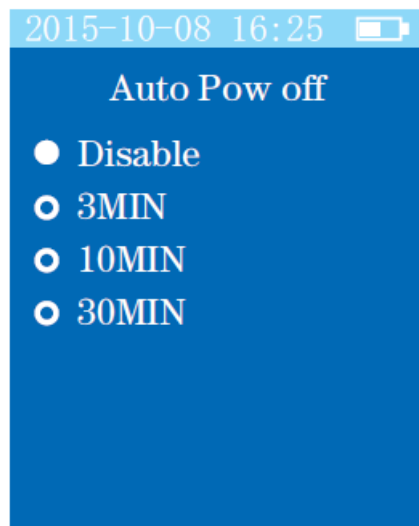


### Auto Power Off setup

Press button and button 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 operation





## Shortcut keys

Press the 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 button then press the button until the sound of a buzzer delete the stored data


## 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




## 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.

## Documents / Resources

	<p><a href="#">ADK Instruments PCE-MPC 10 Particle Counter</a> [pdf] User Manual PCE-MPC 10 Particle Counter, PCE-MPC 10, Particle Counter, Counter</p>
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## References

-  [N.E.E.D.S., \(Nutritional Ecological Environmental Delivery System\) specializes in providing products, information, and education](#)
-  [Industrial Measurement Products and Solutions | PCE Instruments](#)
-  [PCE Americas Inc. : Test Instruments | PCE Instruments](#)