

Счетчики пылевых частиц DT-9850M/9851M/9883M/9880M/9881M/ 9891/9890/96/96B/96H

Технические характеристики

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Conformance

- ISO 21501-4
- Bluetooth interface
- Wi-Fi connectivity(9891)



EMC
EN: 61326



Model 9890

This is a new type of particle counters, HVAC and IAQ specialist is the tool of choice, high-precision particle counter can be used to measure the filtration efficiency, monitoring, industrial clean rooms, pre-check the indoor air quality, locating particle sources in order to effectively improve the environment quality. This section particle counter has a large display, intuitive user interface and navigation map that allows users to test faster, simple and practical. Handheld design, can be used in any position, with Bluetooth or wireless technology or a USB cable for data output and the convenience of anytime, anywhere viewing and analyzing data.

Features

	9890	9891
3.5" TFT 960x480 pixels Color LCD display	*	*
Images(JPEG) & Video(3GP)	*	*
Simultaneously measure and display 6 channel of particle sizes, measure particle size down to 0.3 μm	*	*
Air temperature and humidity, Dewpoint & Wet bulb temperature	*	*
Max, Min, DIF, AVG record, Date/time setup controls, alarm	*	*
MicroSD (MAX. use 8GB) memory card, USB interface	*	*
Auto Power Off	*	*
Selectable sample time, count data, programmable delay	*	*
Store 10000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label	*	*
Language selection English, Chinese, French, German, Spanish	*	*
Bluetooth interface	*	*
Wi-Fi connectivity		*

Specifications

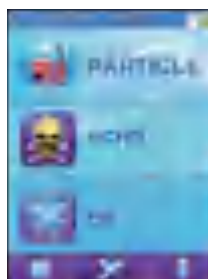
Particle Counter	
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10 μm
Flow Rate	0.1ft ³ (2.83L/min) controlled by internal pump
Light source	Laser
Count Modes	Cumulative, Differential Concentration
Count efficiency	50%@0.3 μm ; >0.45 μm 100%(according to ISO21501)
Zero count	every five minutes counting(JIS B9921)
Concentration limits	10%, 4,000,000 particles per ft ³
Delay time	0 -24 hour
Calibration	PSL particles in air
Operation environment	10 to 40°C (50°F to 104°F)
Storage environment	-10 to 50°C (-14°F to 122°F)
Air Temperature Measure	
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: $\pm 1^\circ\text{C}/2^\circ\text{F}$
Humidity Range	0 to 100%RH; Basic Accuracy: $\pm 3.5\%\text{RH}$ (20%~80%RH)
Dew Point Temp. Range	-30~100°C/ -22~199°F
Wet Bulb Temp. Range	0~80°C/ 32~176°F

Size(HxWxD): 92mm x 239mm x 63mm

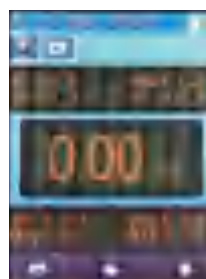
Weight: 790g

Accessories:

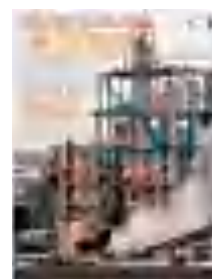
3.7V Li battery, USB cable, CD, gift box with carrying case.



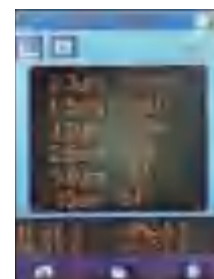
Main Menu



GAS Detectors



Show readings on the images



6 channel of particle sizes

DT-9880/9881/9880M/9881M/9883M

Particle Counter with TFT color LCD display & Camera function



9880/9881/9880M/9881M are Particle Counter with 2.8" color TFT LCD display & a microSD memory card for capturing images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for particle counter, GAS (HCHO,CO) detectors, air temperature & relative humidity measurements. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save. The dewpoint temperature measurement will be very visible for wet and dry proof. It is a good hand for industrial measurements and data analyzing, the real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in SD card. The user can be back in office to analyze the measured air quality under the support of software.

9883M is 4 in 1 Particle Counter.

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Features	9880	9881	9880M/9881M	9883M
2.8" TFT 320x240 pixels Color LCD display	*	*	*	*
Images(JPEG) & Video(3GP)	*	*	*	*
Simultaneously measure and display 6 channel of particle sizes, measure particle size down to 0.3 μm	*	*	*	*
The determination of suspended particle concentration in the air of the weight method (PM2.5/PM10)			*	*
GAS (HCHO,CO) detectors		*	*/	*/
TVOC, CO ₂				*
Air temperature and humidity, Dewpoint & Wet bulb temperature	*	*	*	*
Max, Min, DIF, AVG record, Date/time setup controls, alarm	*	*	*	*
MicroSD (MAX. use 8GB) memory card, USB interface	*	*	*	*
Auto Power Off	*	*	*	*
Selectable sample time, count data, programmable delay	*	*	*	*
Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label	*	*	*	*
Language selection English, Chinese, French, German, Spanish	*	*	*	*

Specifications		9880	9881	9880M/9881M	9883M
Particle Counter					
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10 μm	*	*	*	*
Flow Rate	0.1ft ³ (2.83L/min) controlled by internal pump	*	*	*	*
Count Modes	Totalize, Concentration, Audio	*	*	*	*
Coincidence Loss	5%, 2,000,000 particles per ft ³	*	*	*	*
Mass Concentration Channel	PM2.5 : 0~500ug/m ³ ; PM10: 0~500ug/m ³			*	*
Air Temperature Measure					
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: $\pm 0.5^\circ\text{C}/1^\circ\text{F}$	*	*	*	*
Humidity Range	0 to 100%RH; Basic Accuracy: $\pm 2.5\%\text{RH}(20\%\sim 80\%\text{RH})$	*	*	*	*
Dew Point Temp. Range	-30~100°C/ -22~199°F	*	*	*	*
Wet Bulb Temp. Range	0~80°C/ 32~176°F	*	*	*	*
GAS Detectors					
HCHO (methanal) Range	0.01~5.00ppm; Basic Accuracy: $\pm 5\%\text{F.S}$		*	*/	*
CO (carbon monoxide) Range	0~1000ppm; Basic Accuracy: $\pm 5\%\text{F.S}$		*	*/	*
CO ₂ Range	0~9999ppm; Basic Accuracy: $\pm 7\%\text{PPM} \pm 5\%$ of reading				*
TVOC Range	0.00~10mg/m ³ ; Accuracy: $\pm 5\%\text{F.S}$				*

Size(HxWxD): 240mm x 75mm x 57mm

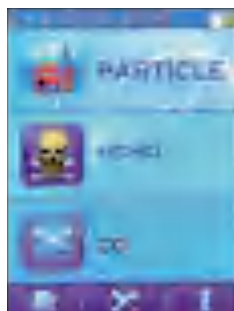
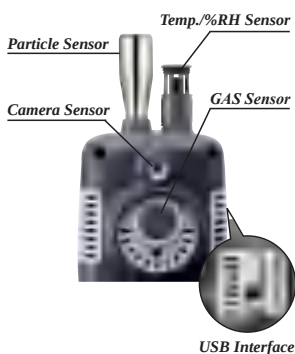
Weight: 570g

Accessories :

NiMH battery, gift box with carrying case.



Model 9880



Main Menu



GAS Detectors



Show reading on the images



JPG images/AVI videos

9850M/9851M are Particle Counter with 2.8" color TFT LCD display & a microSD memory card, providing fast, easy and accurate readings for particle counter, HCHO detector, air temperature & relative humidity measurement. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save. The dewpoint temperature measurement will be very visible for wet and dry proof. It is a good hand tool for industrial measurements and data analyzing, the real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in SD card. The user can be back in office to analyze the measured air quality under the support of software.



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Model 9851M

Specifications

Particle Counter	
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10µm
Flow Rate	0.1ft³(2.83L/min) controlled by internal pump
Count Modes	Totalize, Concentration, Audio
Coincidence Loss	5%, 2,000,000 particles per ft³
Mass Concentration Channel	PM2.5 : 0~500ug/m³ ; PM10: 0~500ug/m³
Air Temperature Measure	
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: ±1°C/1.8°F
Humidity Range	0 to 100%RH; Basic Accuracy: ±3.5%RH(20~80%RH)
	±5%RH(0~20%RH)
	±5%RH(80~100%RH)
Dew Point Temp. Range	-30~100°C/ -22~199°F
Wet Bulb Temp. Range	0~80°C/ 32~176°F
HCHO Detectors	
HCHO (methanal) Range	0.01~5.00ppm; Basic Accuracy: ±5%F.S

Size(HxWxD): 240mm x 75mm x 57mm

Weight: 570g

Accessories :

NiMH battery, gift box with carrying case.

PM-280/CM-280 PM2.5 Air Quality Detector



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Model PM-280

Features

PM2.5/PM10 (PM-280)
Air temperature and humidity
HCHO/ TVOC/CO detection
CO ₂ detection (CM-280)
Auto Power Off
Wireless interface

Specifications

	Size Channels	Range	Precision	Resolution	PM-280	CM-280
Particulate matter detection	PM2.5/PM10	0~2000ug/m³		1 ug/m³	*	
HCHO detection		0.00~5.00ppm	±5% F.S	0.01ppm	*	*
TVOC detection		0.00~9.99ppm	±5% F.S	0.01ppm	*	*
CO ₂ detection		0~9999ppm	±75 ppm ±5% of reading	1ppm		*
CO detection		0~1000ppm	±5% F.S	1ppm	*	*
Temperature		-10 to 60°C / 14 to 140°F	±2°C (±3.6°F)	0.1°C /°F	*	*
Humidity		0~100%RH	±3.5%RH(20~80%RH) ±5%RH (0~20%RH/80~100%RH)	0.1%RH	*	*

Size(HxWxD): 112mm x 60mm x 50mm

Weight: 240g

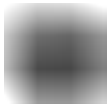
Accessories : NiMH battery, gift box with carrying case.



DT-96/96B/96H

Mini Particle Counter

CEM



96 Particle Counter with 2.0" color TFT LCD display provides fast, easy and accurate readings for particle counter & particle mass concentration with air temperature & relative humidity measurements. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save.

96B provides particle counter, air temperature, relative humidity with Bluetooth interface.

96H provides particle counter, air temperature, relative humidity & HCHO Measurement.



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Model 96



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Model 96H

Features

	96	96B	96H
2.0" TFT 220*176 pixels Color LCD display	*	*	*
The determination of suspend particle concentration in the air of the weight method (PM2.5/PM10)	*	*	*
Particle Counter PM2.5/PM10	*	*	*
Air temperature and humidity	*	*	*
Auto Power Off	*	*	*
Real time clock display	*	*	*
Analog bar indicator	*	*	*
HCHO Measurement			*
Bluetooth interface		*	*

Specifications

Particle Counter		96	96B	96H
Channel	2.5,10um	*	*	*
Mass Concentration	PM2.5:0~2000ug/m3; PM10:0~2000ug/m3;	*	*	*
Resolution	1ug/m3	*	*	*
Air Temperature Measure				
Air Temp Range	0 to 50°C/32 to 122°F	*	*	*
Basic Accuracy	±1°C/1.8°F	*	*	*
Humidity Range	0 to 100%RH	*	*	*
Basic Accuracy	±5%RH @0 to 20%RH and 80 to 100%RH ±3.5%RH @20 to 80%RH	*	*	*
HCHO Measurement				
HCHO Range	0 to 5.00PPM			*
Basic Accuracy	±5% F.S			*

Size(HxWxD): 185mm x 55mm x 38mm

Weight: 139g

Accessories :

NiMH battery, gift box with carrying case.





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