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CEM DT-9880
3 in 1 Air Particle Counter with TFT Color LCD display & Camera function
(Air Particle counter, Air Temperature, Relative humidity)

Introduction:

This instrument is Particle Counter with 2.8'' color TFT LCD display & a MicroSD memory card for capturing imags(JPEG) or video (3GP) for viewing on your PC. Proving fast, easy and accurate readings for particle counter, air temperature & relative humidity, most surface temperature 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 visiable for wet and dry proof. It is a good hand 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.

Features:

- Simultaneously measure and display 6 channel of particle sizes, measure particle size down to 0.3 μm
- IR temperature measure & Laser targeting
- Air temperature and humidity, Dew point & Wet bulb temperature
- Max, Min, DIF, AVG record, Date/time setup controls, High and low alarm
- Adjustable emissivity & Trigger lock
- 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

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Specification:

Particle Counter	
Channels	0.3,0.5,1.0,2.5,5.0,10um
Flow Rate	0.1ft3(2.83L/min)
Counting Efficiency	50% @ 0.3 μm; 100 % for particles > 0.45 μm
Coincidence Loss	5% at 2,000,000 particles per ft3
Data Storage	5000 sample records (MicroSD card)
Count Modes	Cumulative, Differential,Concentration

Air temperature and Relative humidity measurement	
Air Temperature Range	0°C to 50°C (32°F to 122°F)
Dewpoint Temperature Range	0°C to 50°C (32°F to 122°F)
Relative Humidity Range	0 to 100%RH
Air temperature Accuracy	±0.5°C(0.9°F) 10°C to 40°C
	±1.0°C(1.8°F) others
Dewpoint temp. Accuracy	±0.5°C(0.9°F) 10°C to 40°C
	±1.0°C(1.8°F) others
Relative Hum. Accuracy	±3%RH 40% to 60%
	±3.5%RH 20% to 40% and 60% to 80%
	±5%RH 0% to 20% and 80% to 100%

Standard:
- ASTM F649-01
- SATM F328-98
- EN 61326
- JIS B9921
- GB 16292

Package includes:
- Particle Counter
- User Manual
- USB Cable
- Zero Count Filter
- 7.4 Li-ion Battery
- AC Adapter
- Tripod
- Carrying case
- Software
- Manufacturer's Calibration Test Report

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