



CEM DT-9880M 4-in-1 Air Particle Counter, with TFT Color LCD display & Camera function

**(Particle Counter, Mass Concentration
Channel, Temperature and Humidity
Measurement**



SKU: CEMDT9880MBK
Manufacture warranty period: 12 months
Country of Origin: China

Introduction:

DT-9880M is 4 in 1 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, also come with mass concentration channel, 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 dew point temperature measurement will be 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 analyse the measured air quality under the support of software.





Features

- 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)
- 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
- Language selection English, Chinese, French, German, Spanish

Standard:

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

Specifications:

- **Particle Counter**
 - Channel: 0.3, 0.5, 1.0, 2.5, 5.0, 10 μm
 - Flow Rate: 0.1ft³(2.83L/min) controlled by internal pump
 - Counting Efficiency: 50% @ 0.3 μm : 100% for particles > 0.45 μm
 - Coincidence Loss: 5%, 2,000,000 particles per ft³
 - **Mass Concentration Channel:**
 - **PM2.5: 0~500 $\mu\text{g}/\text{m}^3$**
 - **PM10: 0~500 $\mu\text{g}/\text{m}^3$**
 - Data Storage: 5000 sample records (MicroSD Card)
 - Count Modes: Cumulative, Differential, Concentration
- **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: $\pm 2.5\%$ RH (20%~80%RH)
 - Dew Point Temp.
 - Range: -30~100°C / -22~199°F
 - Wet Bulb Temp.
 - Range: 0~80°C/ 32~176°F



Package includes:

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

Package Box Dimension:

- 39 (L) x 29 (W) x 11 (H) cm
- Weight: 2.30 KG

