



This 4 in 1 Particle Counter comes with 2.8" color TFT LCD display & a MicroSD memory card for capturing images (JPEG) or video (3GP) for viewing on your PC. Proving fast, easy and accurate readings for particle counter, GAS (HCHO, CO) detectors (Model DT-9881 only), air temperature & relative humidity, most surface temperature measurements. It is the first combination of these measurements in world. Would be the best instrument for environment protection and energy conservation. The dew-point temperature measurement will be very visible for wet and dry proof. It is a good handy industrial measurement and data analyzer. The real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in Micro SD card. Offline analysis of the measured air quality under the support of software, can be done.

## DT-9881 / 9880

### PARTICLE COUNTER

- | 2.8" TFT Color LCD display
- | 320\*240 pixels
- | Images (JPEG) & Video (3GP)
- | Micro-SD (max. 8GB) memory card
- | Air temperature and humidity
- | Dew-Point & Wet Bulb temperature
- | Simultaneously measure and display 6 channel of particle sizes
- | HCHO detectors (DT-9881 only)
- | CO detectors (DT-9881 only)
- | MAX, MIN, DIF, AVG record, Date/time setup controls
- | Auto Power Off

# DT-9881 / 9880

## Particle Counter

### General Specification

Channels	0.3, 0.5, 1.0, 2.5, 5.0, 10um
Flow Rate	0.1ft <sup>3</sup> (2.83L/min)
Counting Efficiency	50% @ 0.3 µm; 100 % for particles > 0.45 µm
Coincidence Loss	5% at 2,000,000 particles per ft <sup>3</sup>
Data Storage	5000 sample records (Micro-SD card)
Count Modes	Cumulative, Differential, Concentration,
HCHO Measurement (DT-9881 only)	
Range	0.01~5.00PPM
Basic Accuracy	±5%F.S
Display resolution	0.01ppm
CO Measurement (DT-9881 only)	
Range	10~1000PPM
Basic Accuracy	±5%F.S
Display resolution	1ppm

### Air temperature and Relative humidity measurement

Air Temperature Range	0°C to 50°C (32°F to 122°F)
Dew-point 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
Dew-point 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%
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Relative Humidity	10 to 90%RH non-condensing
Display	2.8" 320*240 Color LCD with backlight
Power	
Battery	Rechargeable battery
Battery Life	About 4 hours continuous use
Battery Charge Time	About 2 hours with AC adapter

### Accessories

NiMH Battery, Gift Box, Carrying Case and Instruction Manual.



## AAYUSH ELECTRICALS & INSTRUMENTATION

ISO 9001:2015 CERTIFIED COMPANY

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