

3 in 1 Air Particle Counter , DT-9880

This instrument is 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. 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 visible 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

TECHNICAL SPECIFICATIONS

Particle Counter

Channels	0.3,0.5,1.0,2.5,5.0,10 μm
Flow Rate	0.1ft ³ (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 ³
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	$\pm 0.5^\circ\text{C}$ (0.9°F) 10°C to 40°C $\pm 1.0^\circ\text{C}$ (1.8°F) others
Dewpoint temp. Accuracy	$\pm 0.5^\circ\text{C}$ (0.9°F) 10°C to 40°C $\pm 1.0^\circ\text{C}$ (1.8°F) others
Relative Hum. Accuracy	$\pm 3\%$ RH 40% to 60% $\pm 3.5\%$ RH 20% to 40% and 60% to 80% $\pm 5\%$ RH 0% to 20% and 80% to 100%