

OBDT 9881/9880

Particle counter



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Particle counter *OBDT-9881/9880*

Characteristics

- 2.8 inch TFT color LCD screen
- 320*240 pixels
- Images (JPEG) and videos (3GP)/
- Micro-SD memory card (max. 8 GB)
- Air temperature and humidity
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- Simultaneous measurement and display of 6 particle size channels
- HCHO detectors (DT-9881 only)
- CO detectors (DT-9881 only)
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- MAX, MIN, DIF, AVG recordings, date and time setting
- Automatic power-on



Accessories

- NIMH battery
- Box
- Transport case
- instruction manual

Particle counter

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General specifications

Channels	0.3, 0.5, 1.0, 2.5, 5.0, 10um
Flow rate	0.1ft ³ (2,83L/min)
Counting efficiency	50 % to 0.3 µm ; 100 % for particulate matter > 0.45 µm
Loss of coincidence	5 % to 2,000,000 particulate matter by pi3
Storage of data	5000 recording samples (Micro-SD card)
Methods of counting	Cumulative, Differential, Concentration
HCHO measurement (DT-9881 only)	
Measurement range	0.01~5.00PPM
Basic precision	±5% de l'E.M
Resolution of the display	0.01ppm
CO measurement (DT-9881 only)	
Range	10~1000PPM
Basic precision	±5%F.S
Resolution of the display	1ppm

Measurement of air temperature and relative humidity

Air temperature range	0°C to 50°C (32°F to 122°F)
Temperature of dew point	0°C to 50°C (32°F to 122°F)
Relative humidity range	0 to 100 %RH
Accuracy of air temperature	±0.5°C (0,9°F) 10°C à 40°C ±1.0°C (1,8°F) others
Accuracy of dew point temperature	±0,5°C (0,9°F) 10°C à 40°C ±1,0°C (1,8°F) others
Accuracy of relative humidity	±3%HR 40% to 60% ±3.5%HR 20% to 40% and 60% to 80% ±5%HR 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 à 90% RH without condensation
Screen	Color LCD screen 2.8" 320*240 with backlight
Food	
Battery	Rechargeable battery
Battery life	Approximately 4 hours of continuous use
Battery charging time	Approximately 2 hours with AC adapter