

TECHNICAL DATA



Features

- Displays up to 6 particle sizes down to 0.3µm
- Ambient air temperature, humidity, dew point and wet bulb temperature measurement
- 2.8" TFT color LCD display
- Take photos and record video with built-in camera
- Selectable sampling time, count data, and programmable delay
- Export data to PC with included USB cable
- Low battery indicator and auto shut-off
- Includes AC adapter, USB cable, zero count filter, protective cap, 7.4V Lithium-Ion battery, 8GB micro SD memory card, calibration certificate and hard carrying case

Specifications

Particle Counter

Channels:	0.3, 0.5, 1.0, 2.5, 5.0, 10µm
Flow Rate:	0.1ft ³ (2.83L/min)
Counting Efficiency:	50% for particles of 0.3µm; 100% for particles > 0.45µm
Coincidence Loss:	5% at 2,000,000 particles per ft ³
Data Storage:	5000 sample records (Micro SD card)
Count Modes:	Cumulative, Differential, Concentration

Air Temperature and Relative Humidity

Air Temperature	32 to 122°F (0 to 50°C)
Measuring Range:	50 to 104°F (10 to 40°C): ±0.9°F (0.5°C)
Accuracy:	32 to 50°F (0 to 10°C): ±1.8°F (1.0°C)
Dewpoint Temperature	32 to 122°F (0 to 50°C)
Measuring Range:	

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Accuracy: 50 to 104°F (10 to 40°C)
±0.9°F (0.5°C)

32 to 50°F (0 to 10°C):
±1.8°F (1.0°C)

Relative Humidity
Measuring Range: 0 to 100% RH

Accuracy: 40 to 60%: ±3% RH

General Specifications

Display: 2.8" 320 x 240 pixel
TFT Color LCD

Real-Time Clock and
Date Stamp: Yes

External Memory: Yes, expandable up to 8GB with
Micro SD Card (optional)

Alarms: Yes (audible)

Auto Shut-off: Yes (adjustable)

Tripod Mountable: Yes

PC Interface: USB

Power Supply: Universal AC Adapter/Charger;
7.4V rechargeable battery

Battery Life: Approx. 4 hours of continuous use

Battery Charge Time: Approx. 2 hours with
AC adapter/charger

Software: Yes (download from website)

Software OS
Compatibility: Windows 7/8/10/11

Supported Languages: English, French,
Spanish and German

Product Certifications: CE

Operating Temperature: 32 to 122°F (0 to 50°C)

Storage Temperature: 14 to 140°F (-10 to 60°C)

Operating Humidity
Range: 10 to 90% RH non-condensing

Max Operating Altitude: 6561' (2000m)

Dimensions: 9.4 x 3.0 x 2.2"
(240 x 75 x 57mm)

Weight: 1.26lbs (570g)



Model	Description
R9930	Air Particle Counter
R9930-ADP	Power Supply, 110V
R9930-7.4V	Replacement Battery
CA-05A	Soft Carrying Case
R8890	Large Hard Carrying Case