

# Air Particle Counter Model R9930



### 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-lon 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<sup>3</sup> (2.83L/min)

Counting Efficiency: 50% for particles of 0.3µm;

100% for particles >  $0.45\mu m$ 

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

#### Air Temperature and Relative Humidity

Air Temperature

Measuring Range: 32 to 122°F (O to 50°C)
Accuracy: 50 to 104°F (10 to 40°C):

±0.9°F (0.5°C)

32 to 50°F (O to 10°C):

±1.8°F (1.0°C)

Dewpoint Temperature

Measuring Range: 32 to 122°F (O to 50°C)

Continued...





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:±0.9°F (0.5°C)

32 to 50°F (O 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 (O 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
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