

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

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| 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

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|------------------|--|
| Measuring Range: | 32 to 122°F (0 to 50°C) |
| 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) |

Dewpoint Temperature

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| Measuring Range: | 32 to 122°F (0 to 50°C) |
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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 |
| R1500 | Tripod |