

## VPC300 Video Particle Counter with built-in Camera



**Particle Counter with unique built-in camera for capturing videos and photos that are stored onto internal memory or a microSD™ card. The VPC300 can measure up to 6 channels of particle sizes plus Air Temperature and Relative Humidity. Use the included software to generate reports with videos, photos, and data points.**

### Environments Prone to Airborne Particulates:

- Diesel vehicle transportation & service depots
- Power generation (fossil fuel burning)
- Traffic-related emissions
- Charcoal-based heating/cooking
- Cement manufacturing, mining, & stone crushing
- Metallurgy processes (melting, pouring, torch-cutting)
- Agroindustrial (flour milling & agricultural field burning)



### Features

- Simultaneously measure and display 6 channels of particle sizes (down to 0.3  $\mu\text{m}$ ), Air Temperature, Humidity, Dew Point and Wet Bulb
- 2.8" TFT Color LCD display
- Built-in 320x240-pixel camera takes videos (3GP) and photo images (JPEG) and records them in internal 74MB memory
- Store 5000 records (date, time, counts, humidity, temperature, sample volumes, and location label) and 20 minutes of video
- Selectable sample time, count data, and programmable delay
- Max, Min, DIF, AVG record, Date/time setup controls
- Auto Power Off
- Language selection: English, French, German, Spanish
- Meter is NIST calibrated
- Tripod mount for continuous recording
- Mini-USB port connection
- microSD card slot in battery compartment (memory card not included; max size 8GB)
- Complete with NIST-traceable calibration certificate, Universal AC Adapter/Charger with multiple plugs, USB cable, PC software, tripod, filter, 7.4V NiMH battery and hard case

### Specifications

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Channel of Particle Sizes | 0.3, 0.5, 1.0, 2.5, 5.0, 10 $\mu\text{m}$                                   |
| Flow Rate                 | 0.1ft <sup>3</sup> (2.83L/min) controlled by internal pump                  |
| Count Modes               | Cumulative, Differential, Concentration                                     |
| Counting Efficiency       | 50% @ 0.3 $\mu\text{m}$ ; 100% for particles>0.45                           |
| Coincidence Loss          | 5% @ 2,000,000 particles per ft <sup>3</sup>                                |
| Air Temperature           | -14 to 140°F (-25 to 60°C); Accuracy: $\pm 2^\circ\text{F}/1^\circ\text{C}$ |
| Relative Humidity         | 0 to 100%RH; Accuracy: $\pm 3\%\text{RH}$ (40% to 60%RH)                    |
| Dew Point/ Wet Bulb       | 32 to 122°F (0 to 50°C)                                                     |
| Dimensions/Weight         | 9.4 x 3 x 2.2" (240 x 75 x 57mm)/1.26lbs (570g)                             |

### Ordering

VPC300..... Video Particle Counter

