EXTECH INSTRUMENTS

PRODUCT DATASHEET

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 µm), 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, 10µm
Flow Rate	0.1ft³ (2.83L/min) controlled by internal pump
Count Modes	Cumulative, Differential, Concentration
Counting Effeciency	50% @ 0.3µm; 100% for particles>0.45
Coincidence Loss	5% @ 2,000,000 particles per ft³
Air Temperature	-14 to 140ºF (-25 to 60ºC); Accuracy: ±2ºF/1ºC
Relative Humidity	0 to 100%RH; Accuracy:±3%RH (40% to 60%RH)
Dew Point/ Wet Bulb	32 to 122ºF (0 to 50ºC)
Dimensions/Weight	9.4 x 3 x 2.2" (240 x 75 x 57mm)/1.26lbs (570g)

Ordering

VPC300..... Video Particle Counter

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