Handheld Particle Counter
Model P311

AIRY TECHNOLOGY JAPAN

The Airy Technology P311 handheld particle counter measures 0.3 µm to 5.0 µm with a flow rate of 0.1 CFM (2.83 LPM).

Only 1.26 lb (0.57 kg), user-friendly and easy to configure, this handheld particle counter displays up to 3 size channels on its 3.5" LCD display.

The Airy Technology P311 stores 8,000 sample records that can be viewed on the unit or on a computer via USB cable. The P311 complies with ISO 21501-4 and includes a one year warranty. With excellent quality and reliable performance, the Airy Technology P311 is the best priced handheld particle counter in the market.

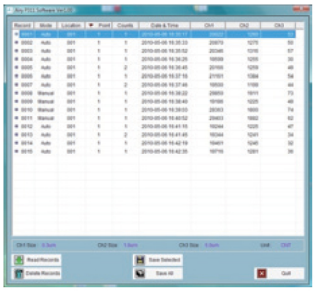
Only 1.26 lbs

Features & Benefits

- Measures 0.3 µm to 5.0 µm
- 0.1 CFM (2.83 LPM) flow rate
- Measures 3 channels of simultaneous data
- Weighs only 1.26 lb (0.57 kg)
- Long life laser diode
- USB output
- Removable and rechargeable AA batteries
- Includes carrying case, battery charger and download software
- Stores up to 8,000 sample records and 199 sample locations
- View data recorded on-screen or via computer
- Large LCD display
- Concentration limit of 4,000,000 per ft³
- Complies with ISO 21501-4 and JIS B9921 standards
- Lightweight high-impact injection molded plastic enclosure
- Easy to clean and wipe down
- 1 year limited warranty

Large Display

Data Download Software



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Specifications

Size Range	0.3 to 5.0 µm
Channel Sizes	Channel 1: 0.3/0.5 µm; Channel 2: 0.5/1.0/2.0/2.5 µm; Channel 3: 5.0 µm
Counting Efficiency	50% at 0.3 µm; 100% for particles > 0.45 µm (per JIS)
Concentration Limits	4,000,000 particles / ft^3 at 5% coincidence loss
Light Source	Long life laser diode
Zero Count Level	<1 count / 5 minutes (per JIS B9921)
Flow Rate	0.1 CFM (2.83 LPM)
Calibration	NIST traceable
Sample Probe/Tubing	Isokinetic sampling probe and probe for tubing
Sampling Modes	Manual, automatic, ISO[1], cumulative/differential, count/concentration
Sampling Time	1 second to 99 minutes 59 seconds (Configurable)
Sampling Frequency	1 to 1,999 cycles or continuous (Configurable)
Sample Output	Internal HEPA filter
Vacuum Source	Internal pump
Communication Interface	USB
Data Storage	8,000 sample records
Display	3.5" (8.9 cm) 320 x 240 LCD
Power	DC 5V 1A (Mini USB TYPE-B)
Battery	Removable AA Ni-MH
Dimensions (L x W x H)	7" x 3.5" x 1.9" (17.8 cm x 9 cm x 4.7 cm) does not include probes
Weight	1.26 lb (.57 kg)
Standards	ISO 21501-4 and JIS B9921
Warranty	1 year limited warranty
Operating Conditions	5° to 35°C 20% to 95%RH non-condensing
Storage Conditions	-20° to 50°C Up to 98%RH non-condensing
Included Accessories	Operating manual on USB Key, AC adapter, isokinetic inlet, probe for tubing, USB cable, purge filter, data download software, 4 x AA batteries with charger, calibration certificate, & carrying case

[1]ISO 5-9 at 0.3-5.0 µm excluding ISO 5 at 5.0 µm

Patented Technology
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Made in USA

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