

Handheld Particle Counter Model P311



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.

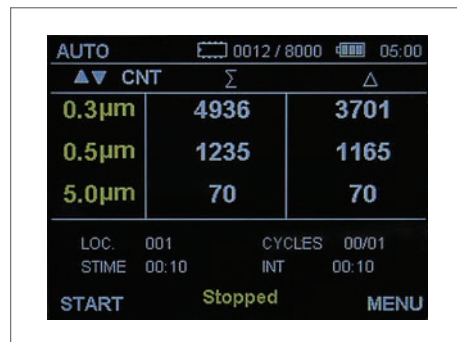


Only 1.26 lbs

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 Color Display



Software Screen





Handheld Particle Counter Model P311



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)
Size Resolution	<15% at 0.5 µm (per ISO 21501-4)
Flow Rate Control	Automatic flow control
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 CD, AC adapter, isokinetic inlet, probe for tubing, USB cable, purge filter, data download software, 4 x AA batteries with charger, calibration certificate, & carrying case

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



Airy Technology, Inc. reserves the right to change specifications without notice. Contact your local distributor for more details. Airy Technology and the Airy Technology logo are trademarks of Airy Technology, Inc. ©2014 Airy Technology, Inc. All rights reserved.



Contact:
Industrial Process Measurement, Inc.
3910 Park Avenue, Unit 7
Edison, NJ 08820
732-632-6400
support@instrumentation2000.com
<http://www.instrumentation2000.com>