

P611 Handheld Airborne Particle Counter

0.1 CFM (2.83 LPM)



The Airy Technology® P611 handheld particle counter measures 0.3 µm to 10.0 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 6 size channels as well as (optional) temperature and relative humidity on its 3.5" color LCD display.

The Airy Technology® P611 stores 10,000 sample records that can be viewed on the unit or on a computer via USB cable. The P611 complies with ISO 21501-4 and includes a one-year warranty. With excellent quality and reliable performance, the Airy Technology® P611 is the best solution for professionals who validate ISO cleanrooms (Class 5 - 9) and investigate indoor air quality matters.

Features and Benefits

- Measures 0.3 µm to 10.0 µm
- 0.1 CFM (2.83 LPM) flow rate
- Measures 6 channels of simultaneous data
- Weights only 1.26 lb (0.57 kg)
- Removable and rechargeable AA batteries
- Long life laser diode
- Large color LCD display
- Stores up to 10,000 sample records and 999 sample locations
- View data recorded on-screen or via computer
- (Optional) Temperature & humidity probe
- Concentration limit of 4,000,000 per ft³
- Complies with ISO 21501-4 and JIS B9921 standards
- Reports ISO 14644-1 and EU GMP
- Lightweight high-impact injection molded plastic enclosure
- Includes battery charger and data download software
- USB output
- Easy to clean and wipe down
- Internal audible alarm
- 1 year limited warranty



Large Display

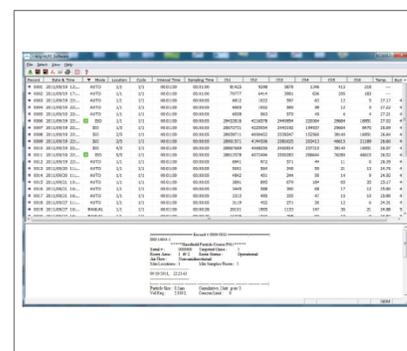


Size	Σ	Δ	UNIT
0.3	14004	12280	CNT
0.5	1724	574	MODE AUTO
0.7	1150	922	LOC 01/01
3.0	228	136	SAMP 01:00
5.0	92	28	INT 01:00
10.0	64	64	CYC 00/01
			REC 00026

22.8 °C 33.4 % 11:37

Stopped START

Data Download Software



Time	Temp	Humid	0.3	0.5	0.7	3.0	5.0	10.0	Temp	Humid
2010-10-10 11:37:00	22.8	33.4	14004	1724	1150	228	92	64	22.8	33.4



P611 Handheld Airborne Particle Counter

0.1 CFM (2.83 LPM)

Specifications

Model	P611
Size Range	0.3 to 10.0 μm
Channel Sizes	P611-1 Standard: 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 μm P611-2 Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm P611-3 Standard: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 μm P611-4 Standard: 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 μm Optional: additional size channels available
Counting Efficiency	50% @ 0.3 μm ; 100% for particles >0.45 μm per JIS
Concentration Limits	4,000,000 Particles/ft ³ @ 10% coincidence loss
Light Source	Long life laser diode
Zero Count Level	<1 count / 5 minutes (<1 particles / 6 ft ³)
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	10,000 sample records
Security	2-level password protection
Alarm	Counts, low battery, flow and laser status
Display	3.5" (8.9 cm) 320 x 240 Color LCD
Power	DC 5V 1A (Mini USB TYPE-B)
Battery	Removable AA Ni-MH
Environmental Sensors	Optional temperature/humidity probe
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
Optional Accessories	Temperature and relative humidity probe

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

PAT. <https://particlepatents.com/> Additional Patents Pending.

Particles Plus, Inc. reserves the right to change specifications without notice.
Contact hello@airytechnology.com or your local distributor for more details.
Airy Technology and the Airy Technology logo are trademarks of Particles Plus, Inc.
©2020 Particles Plus, Inc. All rights reserved.

REV 20200601-P611



31 Tosca Drive
Stoughton, MA 02072 U.S.A.
+1-781-341-6898
www.airytechnology.com