

# Handheld Laser Particle Counter **MODEL P611**

Airy Technology P611 is the accurate, user friendly handheld particle counter. Its large color display shows 6 channels of cumulative and different particle counts simultaneously. Airy Technology P611 saves up to 10,000 sample data in the memory, which can be reviewed on the unit display and/or easily downloaded to your PC via USB cable. Temperature and humidity can also be monitored with the optional probe. P611 complies with ISO 21501-4 and comes with a two-year warranty. With excellent quality and reliable performance, Airy Technology P611 is the best solution for professionals who validate ISO cleanrooms (Class 5 - 9) and investigate indoor air quality.

#### **Applications**

NEW

- ISO Cleanroom Certification (ISO Class 5-9)
- Point Measurements at Cleanrooms
- Particle Source Investigation
- Filter Testing and Leak Detection
- Indoor Air Quality Investigations
- Quality Control

#### Features

- 6-Channel Simultaneous Measurements
- Channel Range 0.3-10.0µm
- > Flow Rate : 0.1CFM (2.83 LPM)
- > Optional Temperature & Humidity Probe
- Large Color Display
- Maximum Concentration: 4,000,000 particles / ft3
- > Data Download Software Included
- > Buffer Memory: 10,000 Records
- > ISO 21501-4 and JIS B9921 Compliant

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### Large Color Display

Size	Σ	Δ	00	:00
0.3	14004	12280	UNIT	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	CYC	00/01
10.0	64	64	REC	00028



Air Marketing Group LLC

## **Specifications**

Channel Sizes	Standard: 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 µm				
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	Standard: 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 μm				
	Optional: Other combinations (Please contact Airy Technology)				
Counting Efficiency	50% at 0.3 μm; 100% for particles > 0.45 μm (per JIS)				
Concentration Limits	4,000,000 particles / ft3 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	0.1 CFM (2.83 LPM)				
Flow Rate Control	Automatic flow control				
Calibration	NIST traceable				
Sample Probe/Tubing	Isokinetic sampling probe, Probe for tubing				
Sampling Modes	Manual, Automatic, ISO*, Cumulative/Differential, Count/Concentration				
Sampling Time	1 second to 99 minutes 59 seconds (Configurable)				
Sampling Frequency	1 to 9999 cycles or continuous (Configurable)				
Sample Output	Internal HEPA filter				
Vacuum Source	Internal pump				
<b>Communication Interface</b>	USB				
Data Storage	10000 sample records				
Security	2-level password protection				
Alarm	Counts, Low battery, Flow, Laser				
Display	3.5-inch 320 x 240 Color LCD				
Power	DC 5V 1A (Mini USB TYPE-B)				
Battery	4 x AA				
Battery Life	Up to 4.5 hours of continuous use (LCD Backlight low, Included Ni-MH Battery)				
<b>Environmental Sensors</b>	Optional temperature/humidity probe				
Dimensions (L x W x H)	178x90x47mm (without isokinetic inlet, temperature/humidity probe)				
Weight	480g (without battery)				
Standards	CE, JISB9921, ISO 21501-4				
Warranty	2 year limited warranty				
Operating Conditions	5; to 35;C 20% to 95%RH non-condensing				
Storage Conditions	-20i to 50iC Up to 98%RH non-condensing				
Included Accessories	Operating manual on CD, Quick guide, AC adapter, Isokinetic inlet, Probe for tubing, USB cable, Zero filter, Software, 4 x AA batteries with charger, Calibration certificate, Carrying case				
Optional Accessories	Temperature/Humidity probe				
Optional Accessories					

 $\%\,$  ISO 5-9 at 0.3-5.0  $\mu m$  excluding ISO 5 at 5.0  $\mu m$ 



All specifications are subject to change without notice. For safe and trouble-free operations, please read the Operation Manual carefully before using the instruments.

141 Kinderkamack Rd, Park Ridge, NJ 07656 Tel: 201-782-1782 Fax: 201-782-1783 Web: www.amgair.com Email: info@amgair.com