



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

- 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

Software Screen



Large Color Display

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

Streamlined & Lightweight



Specifications

Channel Sizes	Standard: 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 μm Standard: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm Standard: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 μm 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 / 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	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
Communication Interface	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)
Environmental Sensors	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	-20 to 50 °C 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

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



CAUTION

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