

Handheld Laser Particle Counter MODEL 3886 GEO-α

Cleanrooms
IAQ investigations
Food Industry
Filter Testing
Aerospace
Hospital Surgical Rooms
Paint Spray Booths

Particle /
Dust Monitor



Features:

- Displays 5 particle sizes simultaneously (0.3, 0.5, 1.0, 3.0 and 5.0 um) in cf or m3, displaying 2 channels
- Built-in flow sensor (0.1 CFM +/- 10%)
- Temp./RH and Air Velocity probes available as an option
- Capable of measuring up to 4 parameters in one instrument.

5 Size Channels	0.3 um; 0.5 um; 1.0 um; 3.0 um; 5.0 um	
Flow Rate	0.1 cfm (2.83 l/min)	
Light Source	Laser Diode	
Calibration	PSL particles in air	
Counting Efficiency	50% @ 0.3 um; 100% for particles > 0.45 um (per JIS B9921: 1997)	
Zero Count	≤ 1 count / 5 minutes (per JIS B9921: 1997)	
Coincidental Loss	< 5% @ 2,000,000 particles/cf	
Sampling Time	1sec - 99min 59sec, 1 second increment	
Sampling Frequency	1 - 99 or continuous	
Count Modes	Single, Repeat, Continuous, Calculation and Remote	
Display	20 letters, 4 line LCD	
Interface	RS232C or RS485	
Baud Rate	9600 bps	
Buffer Memory	500 sample records	
Power	AC Adapter	5VDC at 2.5A, 100 - 240 VAC, 50 to 60 Hz
	Rechargeable Battery	4 x AA NiMH 3.5 hrs with 1600mAh batteries
Vacuum Source	Internal pump, flow controlled	
Dimensions	4.5" x 2.8" x 8.5" (115 mm x 70 mm x 211 mm)	
Weight	2.2lbs (1 kg)	
Accessories	AC Adapter, Zero Filter	
Options	Isokinetic Probe, Air Velocity Probe, Thermal Printer, Temperature/Relative Humidity Probe, Carrying Case	