

Particle / Dust Monitor

Handheld Laser Particle Counter MODEL 3886 GEO-α



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

Features:

- Measures 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.

Specifications

5 Size Channels		0.3 um; 0.5 um; 1.0 um; 3.0 um; 5.0um
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		1 sec - 99 min 59 sec, 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 - 240VAC, 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		2.2 lbs (1 kg)
Accessories		AC Adapter, Zero Filter
Options		Isokinetic Probe, Air Velocity Probe, Thermal Printer, Temperature/Relative Humidity Probe, Carrying Case