

Particle / Dust  
Monitor

# Handheld Laser Particle Counter MODEL 3886 GEO- $\alpha$

CE



**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 m<sup>3</sup>, 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	$\leq$ 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