

Handheld Particle Counter Model 3887

Features:

- Simultaneously measures and displays 3 particle sizes
- Built-in flow sensor ensures high accuracy measurement
- Store up to 8000 measurements
- PC interface with RS232C and software for real-time measurements and downloading data to your PC
- Complete with Isokinetic probe, zero filter, meter stand, data processing software, RS232C cable, 6 pc. AA batteries, battery charger, AC adapter, and calibration certificate

Specifications	
Model	3887
Measuring Object	Airborne Particle Matter
Particle Sizes	0.3 / 0.5 / 5.0 μm
Flow Rate	0.1 cfm (2.83 L/min)
Light Source	Laser Diode
Counting Efficiency	50% @ 0.3 μm
Coincidence Loss	Less than 5% at 2,000,000 particles/ft ³
Zero Count Level	<1 count per 5 minutes
Datalogging	8,000 measurements
Interface	RS232C
Enclosure	Molded Plastic
Power Supply	4 x AA Batteries or AC 100 - 240 V
Dimensions	W4.4" x H7.8" x D2.8"
Weight	1.5 lbs (680 g)



Software Included



Accessories

- 3887-02:** Carrying Case
- 3887-07:** Printer Cable
- DPU-H245:** Portable Thermal Printer
- TP-202L:** Rolled Printer Paper (10 rolls)
- CX-440:** Tripod
- 301APK:** Intl. Plug Adapter Kit



Carrying Case

Handheld Particle Counter Model 3886 Geo- α [®]

Features:

- Simultaneous measurements of 5 particle sizes
- Air velocity, temperature, and humidity measurements with optional probes
- Data logging up to 500 measurements
- PC interface with RS232C and optional software for real-time monitoring with timing graph
- Compact and lightweight, easy handling
- Includes AC adapter, zero filter, metal handle, and calibration certificate

Specifications	
Model	3886
Measuring Object	Airborne Particle Matter
Particle Sizes	0.3 / 0.5 / 1.0 / 3.0 / 5.0 μm
Flow Rate	0.1 cfm (2.83 L/min)
Light Source	Laser Diode
Counting Efficiency	50% @ 0.3 μm
Coincidence Loss	Less than 5% at 2,000,000 particles/ft ³
Zero Count Level	<1 count per 5 minutes
Datalogging	500 measurements
Interface	RS232C
Optional Sensor	Air Velocity / Temperature, Humidity *See page 30 for specs
Enclosure	Molded Plastic
Power Supply	4 x AA Batteries or AC 100 - 240 V
Dimensions	W4.5" x H8.3" x D2.8"
Weight	2.2 lbs (980 g)



Software for Monitoring and Remote Control



Accessories

- 0842:** Temperature and RH Probe
- 0843:** Air Velocity Probe
- 0843-01:** Extension Rod for 0843
- 3886-02:** Carrying Case
- 3886-04:** Isokinetic Probe
- S388-61:** Data Processing Software for Windows
- 3886-07:** Printer Cable
- 3886-08:** Communication Cable to PC
- DPU-H245:** Portable Thermal Printer
- TP-202L:** Rolled Printer Paper (10 rolls)
- CX-440:** Tripod



Thermal Printer

Handheld Particle Counter Model 3887

Specifications

Light Source	Laser Diode	
Channel Sizes (μ m)	0.3, 0.5, 5.0	
Flow Rate	2.83 lpm (0.10 cfm)	
Zero Count Level	1 count or less in 5 minutes (meets ISO 21501-4)	
Counting Efficiency	50 \pm 20% (meets ISO 21501-4)	
Coincidence Loss	Less than 5% at 2,000,000 particle/cf	
Sample Time	10 second to 99 min 59 sec	
Sampling Frequency	1 - 99 while in Repeat Mode or Continuous	
Count Alarm	1 - 70,000,000 counts	
Mode of Measurements	Single / Repeat / Continuous / Calculation / Remote ISO Mode (corresponds to ISO 14464)	
Data Storage	8000 samples	
Display	LCD: 20 letters, 4 lines	
Interface	RS232C	
Baud Rate	9600 bps	
Power	AC Adapter	AC 100 - 240V, 50 to 60Hz
	Battery	4 x AA Battery
	Operating Time	3 hours continuous operation
Dimensions	W 111 x D 70 x H 197 mm (4.3 x 2.7 x 7.7 inches)	
Weight	680 g (1.5lbs)	
Operating Environment	10 to 35°C (50 to 95°F)	
Warranty	1 year (Instrument) / 2 years (Laser Diode)	
Standard Accessories	Operation Manual, Isokinetic Probe, AC Adapter, Battery & Charger Zero Filter, PC Communication Cable, Data Processing Software (Windows)	
Optional Accessories	Carrying Case, Spare Battery, Battery Charge, Printer, Printer Cable, Tripod	

* Specifications subject to change without prior notice



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Handheld Particle Counter Model 3886

Specifications

Light Source	Laser Diode	
Channel Sizes (μ m)	0.3, 0.5, 1.0, 3.0, 5.0	
Flow Rate	2.83 lpm (0.10 cfm)	
Zero Count Level	1 count or less in 5 minutes (meets ISO 21501-4)	
Counting Efficiency	50 \pm 20% (meets ISO 21501-4)	
Coincidence Loss	Less than 5% at 2,000,000 particle/cf	
Sample Time	1 second to 99 min 59 sec	
Sampling Frequency	1 - 99 while in Repeat Mode or Continuous	
Count Alarm	1 - 70,000,000 counts	
Mode of Measurements	Single / Repeat / Continuous / Calculation / Remote	
Data Storage	500 samples	
Display	LCD: 20 letters, 4 lines	
Interface	RS232C	
Baud Rate	9600 bps	
Power	AC Adapter	AC 100 - 240V, 50 to 60Hz
	Battery	4 x AA Battery
	Operating Time	3 hours continuous operation
Dimensions	W 115 x D 70 x H 211 mm (4.5 x 2.8 x 8.3 inches)	
Weight	980 g (2.2 lbs)	
Operating Environment	10 to 35°C (50 to 95°F) / 0 to 85%RH (no condensation)	
Warranty	1 year (Instrument) / 2 years (Laser Diode)	
Standard Accessories	Operation Manual, AC Adapter, Battery & Charger, Zero Filter	
Optional Accessories	Temp/RH probe, Air Velocity Probe, Extension Rod for Air Velocity Probe, Carrying Case, Printer, Printer Cable, Tripod, Data Processing Software, RS232C Communication Cable, Isokinetic Probe	

Probe Specifications

Model	0842 Temp / Humidity probe	 <p style="text-align: right;">0842</p>
Temperature Ranges	32 to 122°F (0 to 50°C)	
Relative Humidity Ranges	3 to 98 %RH	
Dimensions	\varnothing 0.6" x 4.5"	
Model	0843 Air velocity probe	 <p style="text-align: right;">0843</p>
Air Velocity Ranges	0 to 197 fpm (0 to 1.0 m/s)	
Dimensions	\varnothing 0.8" x 5.9"	



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