



# Handheld Laser Particle Counter

## Model 3886 "GEO- $\alpha$ "

ISO9001, ISO14001 approved  
JQA-2790, JQA-EM1628



### Features

- Simultaneous measurements/monitor of particle concentration, relative humidity, temperature and air velocity in a single instrument.
- 5 particle size channels. (0.3, 0.5, 1.0, 3.0 & 5.0  $\mu\text{m}$ )
- Built-in flow sensor enables highly accurate measurements of particle concentration. (0.1 CFM  $\pm$  10%)
- Efficient data storage and logging capability. (500 data can be stored internally)
- Compact and light weight.
- Can be used as a multi-point monitor by cascade connection.
- Remote controlled by external computer.

### Examples of option usage

● With probes



● With tripod



## ◆ Specifications

**Model 3886**

Measuring particle sizes	0.3, 0.5, 1.0, 3.0, 5.0 μm
Light Source	Laser Diode
Counting Efficiency	Meets JIS B9921
Zero Count	Meets JIS B9921
Coincidence Loss	Less than 5% at 2,000,000 particles/cf
Flow Rate	0.1cfm (2.83 ℓ/min)
Sampling Time	1 second - 99 minutes 59 seconds (adjustable in seconds)
Sampling frequency	1 - 99 times, or Continuous
Count Alarm	1 - 70,000,000 counts
Mode of measurements	Single/Repeat/Continuous/Calculation/Remote
Display	20 letters, 4 lines LCD
Error sign	Counts beyond max concentration, Drop of laser power, Out of regulated flow rate (+/-10%), Low battery
Interface	RS-232C or RS-485 (Selectable on menu page), RJ-11 Connector N.B. RS-485 is for cascade connection
Communication Protocol	Baud Rate 9600 bps
Buffer Memory	500 data (In Calculation mode, 1 measurement is counted as 4 data)
Power supply	4 pieces of AA-size Ni-MH battery or AC adapter (Input 100-240V) Batteries are not included and cannot be charged by AC adapter.
Operating hours	Approx. 3 hours (by Ni-MH batteries)
Dimensions	115 (W) x 211 (H) x 70 (D) mm
Weight	Approx. 980g (without batteries)
Environmental operation condition	Ambient temperature range: 10-35°C (50-95°F)
Standard Accessories	AC adapter, Filter, Tube, Handle, Ni-MH battery (1.2V-1600mAh) x 4, Battery Charger, Operation Manual
Options	Printer, Printer cable, Temperature/Humidity probe, Air Velocity probe, Extension rod for Air velocity probe, Carrying case, tripod

## ◆ Specifications of options

Temperature/Humidity Probe Model 0842	
Temperature range	0-50°C(32-122°F)
Accuracy	+/-0.5°C (at over 0.2m/s air velocity)
Humidity range	3-98%RH
Accuracy	+/-3%RH (+/-5% at the outside of 30-85%RH range)
Dimensions	ø20 x150mm

Air Velocity Probe Model 0843	
Air velocity range	0-1 m/s (0-197 FPM)
Accuracy	+/-0.05 m/s (10 FPM)
Dimensions	ø20 x150mm Curl cord 0.2 m (Max. extended length 1.5m)

### Carrying case Model 3886-02

### Extension rod for air velocity probe Model 0843-01



#### CAUTION

For safe and trouble-free operations, please read "Operation Manual" carefully before you use the instruments.

Product specifications of this catalog are subject to change for improvements without notice.



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