



POWERED BY ACOEM

804

Handheld Indoor Particle Counter

The 804 handheld particle counter is a 4 channel portable particle counter that is able to detect and report particle counts for particulate sizes ranging from 0.3 microns to 10.0 microns, giving you portability, flexibility, and reliability at a very competitive price point.

The 804 is simple to operate, using only two front-panel buttons and scroll wheel to control a user-friendly, menu-driven platform for easy configuration. Unlike other counters that can take up to a minute to deliver results, the 804 displays counts in as little as 3 seconds. The unit will take single or continuous samples.



Features

Though compact, the 804 Model is completely self-contained with its own internal battery and sample pump. The 804 unit is configurable, allowing you to choose your particle sizes of interest from seven sizes: 0.3, 0.5, 0.7, 1.0, 2.5, 5.0, or 10.0 microns.

A self-contained battery pack powers the 804 unit for 30 hours of typical intermittent operation, and up to 8 hours of continuous use. The included AC charger / adapter operates the particle counter, even when the battery pack is discharged, and recharges the depleted battery in 2.5 hours. The 804 can also store up to 2,500 records for output as Excel formatted output via included COMET software. A USB interface provides quick data download and firmware upgrades.

- Fast Sampling.
- Simple Operation.
- Selectable sizes with available favorites and two sizes displayed.
- Low cost.
- Includes data logging.
- Self Contained and Portable.
- Produced by industry-leading ISO Certified facility.
- Time-tested reliability backed up by a 1-year Warranty.

Applications

- Controlled Environments.
- Cleanroom Monitoring.
- Indoor Air Quality Monitoring.
- Process Control.
- HVAC Applications.
- Filter Testing.
- Laboratory Environments.
- Trace Contamination Sourcing.
- Quality Assurance (QA) Programs.
- School Air Quality Monitoring.
- Environmental Health and Safety Management.



Specifications

PERFORMANCE

Particle Size Range:	Four Channels : >0.3, >0.5, >0.7, >1.0, >2.5, >5.0, and >10.0 μm (selectable)
Concentration Range:	0 - 3,000,000 particles per cubic foot (105,900 particles/L)
Accuracy:	$\pm 10\%$, to calibration aerosol
Sensitivity:	0.3 μm
Flow Rate:	0.1 cfm (2.83 lpm)
Sample Time:	Adjustable (3-60 seconds)
Status Indicators:	Low Battery, Service

ELECTRICAL

Light Source:	Laser diode, 30 mW, 780 nm
Power:	7.2V Lithium Ion self-contained battery pack—provides 30 hours of typical intermittent operation, up to 8 hours continuous use
AC Adapter/Charger:	AC to DC module intelligent Lithium Ion charger, 100 - 240 VAC to 8.4 VDC @ 1500 mA typical. Charge time 2.5 hours typical
Communications:	USB
Certifications:	Meets or exceeds CE, ISO, ASTM, and JIS international certifications

INTERFACE

Display:	2 line by 16-character LCD
Keyboard:	2-button membrane

PHYSICAL

Size:	Height: 6.75" (17.2 cm) Width: 3.75" (9.5 cm) Thickness: 2.0" (5.1 cm)
Weight:	1.31 lb (21 oz) (0.60 kg)

ENVIRONMENTAL

Operating Temperature:	0° to +50°C
Storage Temperature:	-20° to +60°C

Supplied Accessories

- Operation Manual.
- AC to DC Converter Module with IEC AC Power Cord.
- NIST Traceable Calibration Certificate.
- USB Cable.
- Software - Comet.

Optional Accessories

- Carrying Case.
- Protective Boot.
- Zero Filter Kit.
- Flow Meter Kit.



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