

# 804 Four Channel Handheld Particle Counter

Accurate – Affordable – Reliable

- Low Battery Indication
- System Noise Indication
- Sensor Error Indication

## ✓ Small Size — Big Performance

The 804 handheld particle counter is a 4 channel portable particle counter that counts particles 0.3 microns to 10.0 microns - giving you portability and reliability at the lowest price in the industry.



Model 804 pictured with protective boot

## ✓ Completely Self-Contained, Selectable Particle Sizes

Don't let the size fool you, this unit is completely self-contained with its own internal battery and sample pump, and is programmable, 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.

## ✓ Fast Sampling

Unlike other counters that can take up to a minute to deliver results, the 804 incorporates user selectable sampling time up to 1 minute and displays counts in as little as 3 seconds. The unit will take single or continuous samples.

## ✓ Simple Operation

Only two front-panel buttons and scroll wheel provide a user friendly, menu driven platform that provides ease in configuration.

## ✓ Battery or AC Powered

The self-contained battery pack powers the unit for 30 hours of typical intermittent operation, and for up to 8 hours of continuous use. The included AC charger / adapter operates the counter, even when the battery pack is discharged, and recharges the depleted battery in 2.5 hours.

## ✓ Flexible Data Interfaces / USB Communication

Stores up to 2500 records for output, Excel formatted output via included single computer software. USB interface provides quick data download and field firmware upgrades.

## Applications

- Controlled Environments
- Filter Testing
- Indoor Air Quality
- Laboratory Environments
- Process Control Trace
- Contamination Source
- HVAC Applications
- QA Programs

## Specifications

Particle Size Range	Four Channels: >0.3µm, >0.5µm, >0.7µm, >1.0µm, >2.5µm, >5.0µm, >10.0µm (selectable)
Concentration Range	0-3,000,000 particles per cubic foot(105,900 particles/L)
Accuracy	+/-10% to calibration aerosol
Sensitivity	0.3µm
Flow Rate	0.1cfm (2.83l/min)
Sample Time	Adjustable (3-60 seconds)
Status Indicators	Low Battery, Service
Light Source	Laser diode, 30mW, 780nm
Power	7.2V Lithium Ion self-contained battery pack
AC Adapter/Charger	100-240VAC to 8.4VDC@1500mA typical
Communications	USB
Keyboard	2-button membrane
Display	2 line by 16-character LCD
Operating Temperature	0-50°C
Storage Temperature	-20-60°C
Size(L x W x D)	172mm x 95mm x 51mm
Weight	600g

## Standard Supplied

- 804 Meter
- Protective Boot
- Zero Filter Kit
- AC-DC Converter and Power Cord
- USB Cable
- USB Driver Software
- Comet Software
- Calibration Certificate
- Operation Manual



## Sales Company:

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# GT-321 Single Channel Particle Counter

*The reliability you demand at a price you won't believe!*

- Simple Operation
- Fast Sampling

## ✓ Small Size —Big Performance

The handheld GT-321 is a portable particle counter that counts particles down to 0.3 microns—giving you portability and reliability at the lowest price in the industry.



## ✓ Completely Self-Contained—Selectable Particle Sizes

Don't let the size fool you—the GT-321 is completely self-contained with its own internal battery and sample pump, and is programmable, allowing you to choose your particle size of interest from five sizes: 0.3, 0.5, 1.0, 2.0, or 5.0 microns.

## ✓ Fast Sampling

Unlike other counters that can take up to a minute to deliver results, the GT-321 starts delivering volumetric concentration results in about 6 seconds! This facilitates quick multi-site sampling, tracing particle sources and site particle trending.

## ✓ Simple Operation

Only two front-panel buttons control the size channels and sample cycle. The side-mounted power switch allows for convenient thumb operation.

## ✓ Battery or AC Powered Operation

The self-contained battery pack powers the unit for 8 hours of typical intermittent operation, and for up to 5 hours of continuous use. The included AC adapter operates the counter, even when the battery pack is discharged, and recharges the depleted battery overnight (16 hours) when turned off.

## Applications

- Controlled Environments
- Filter Testing
- Indoor Air Quality
- Laboratory Environments
- Process Control Trace
- Contamination Source
- HVAC Applications
- QA Programs

## Specifications

Flow Rate	0.1cfm (2.83l/min)
Concentration Range	0-3,000,000 particles per cubic foot(105,900 particles/L)
Particle Size Range	One Channel >0.3µm, >0.5µm, >1.0µm, >2.0µm, >5.0µm (selectable)
Sensitivity	0.3µm
Accuracy	+/-10% to calibration aerosol
Sample Time	Total 60 seconds (every 6 seconds per sampling)
Light Source	Laser diode, 30mW, 780nm
Keyboard	2-button membrane
Display	1 line by 12-character LCD
AC Adapter/Charger	100-240VAC to 9VDC
Operating Temperature	0-50°C
Size(L x W x D)	152.4mm x 88.9mm x 63.5mm
Weight	740g

## Standard Supplied

- GT-321 Meter
- Zero Filter Kit
- Isokinetic Sample Probe
- AC-DC Converter and Power Cord
- RS232 Cable
- Calibration Certificate
- Operation Manual
- Carrying Case



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# GT-521 Two Channel Particle Counter

*Bench unit performance in the palm of your hand*

- Measure 48 Sizes Particles
- 6-999 Seconds Sampling Time
- Plug-and-Play Temp/RH Probe

## ✓ Big Performance, Small Size

The GT-521 is a full-featured, battery-operated, portable laser particle counter that provides the functionality of a bench unit with the convenience of a handheld! It can datalog particle counts continuously or send them to a network.

## ✓ Dual Programmable Particle Channels

Two programmable particle channels with a range of 0.3 – 5.0 microns each show differential or cumulative particle counts in real time, with selectable count units.

## ✓ Simple and Powerful Menu-Driven Command Set

A simple touch of a button sets particle sizes, sample time, alarm settings, and basic setup parameters such as date/time and communications settings.

Remote operation via RS-232 or RS-485 communications ports allows extensive control, including all front-panel operations.

## ✓ Flexible Data Interfaces

Stores up to 4,000 records for printer output, Excel® formatted output, or networked datalogging via the included single computer software (GT-Comm).

## ✓ Temperature and Relative Humidity Option

A plug-and-play option that immediately adds ambient temperature and relative humidity capabilities to the displayed and logged data.

## ✓ Applications

- Controlled Environments
- Indoor Air Quality
- Process Control
- HVAC Applications
- Filter Testing
- Compliance Testing
- Emission Sourcing
- Remote Sampling
- QA Programs

## Specifications

Flow Rate	0.1cfm (2.83l/min)
Concentration Range	0-3,000,000 particles per cubic foot(105,900 particles/L)
Particle Size Range	Two Channels From 0.3µm to 5.0µm (selectable in 0.1µm increments)
Sensitivity	0.3µm
Accuracy	+/-10% to calibration aerosol
Sample Time	6-999 seconds (adjustable)
Hold Time	1-999 seconds (adjustable)
Light Source	Laser diode, 30mW, 780nm
Keyboard	7-button membrane
Display	4 line by 16-character LCD
Communications	RS232, RS485
Temp/RH	Optional G3120 RH & Temperature Probe
Software	GT-Comm Software
Operating Temperature	0-50°C
AC Adapter/Charger	100-240VAC to 9VDC @ 350mA Typical
Size(L x W x D)	159mm x 102mm x 54mm
Weight	880g



## Standard Supplied

- GT-521 Meter
- Zero Filter Kit
- Isokinetic Sample Probe
- AC-DC Converter and Power Cord
- RS232 Cable
- GT-Comm Software
- Calibration Certificate
- Operation Manual
- Carrying Case



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# GT-526 Six Channel Particle Counter

*The Affordable Six Channel Solution*

- Measure 6 Sizes Particles
- 1-999 Seconds Sampling Time
- Plug-and-Play Temp/RH Probe

## ✓ Bench Unit Performance in the Palm of Your Hand

The GT-526 is a full-featured, battery-operated, portable laser particle counter that provides the functionality of a bench unit with the convenience of a handheld! It can datalog particle counts continuously or send them to a network.

## ✓ Six Particle Channel Displayed

Six preset particle channels (0.3, 0.5, 0.7, 1.0, 2.0, 5.0) show cumulative counts in real time, with selectable count units.

## ✓ Menu-Driven Command Set for Out of the Box Operation

A simple touch of a button sets sample time, and basic setup parameters such as date/time and communications settings. Remote operation via RS-232 or RS-485 communications ports allows extensive control, including all front-panel operations.

## ✓ Flexible Data Interfaces

Stores up to 8,000 records for printer output, Excel® formatted output, or networked datalogging via the included single computer software (Comet).

## ✓ Temperature and Relative Humidity Option

A plug-and-play option that immediately adds ambient temperature and relative humidity capabilities to the displayed and logged data.

## ✓ Applications

- Controlled Environments
- Indoor Air Quality
- Process Control
- HVAC Applications
- Filter Testing
- Compliance Testing
- Emission Sourcing
- Remote Sampling
- QA Programs



## Specifications

Flow Rate	0.1cfm (2.83l/min)
Concentration Range	0-3,000,000 particles per cubic foot(105,900 particles/L)
Particle Size Range	Six Channels >0.3µm, >0.5µm, >0.7µm, >1.0µm, >2.0µm, >5.0µm
Sensitivity	0.3µm
Accuracy	+/-10% to calibration aerosol
Sample Time	1-999 seconds (adjustable)
Hold Time	0-999 seconds (adjustable)
Light Source	Laser diode, 30mW, 780nm
Keyboard	7-button membrane
Display	4 line by 16-character LCD
Communications	RS232, RS485
Temp/RH	Optional G3120 RH & Temperature Probe
Software	GT-Comm Software
Operating Temperature	0-50°C
AC Adapter/Charger	100-240VAC to 9VDC @ 350mA Typical
Size(L x W x D)	159mm x 102mm x 54mm
Weight	880g

## Standard Supplied

- GT-526 Meter
- Zero Filter Kit
- Isokinetic Sample Probe
- AC-DC Converter and Power Cord
- RS232 Cable
- Comet Software
- Calibration Certificate
- Operation Manual
- Carrying Case



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# Aerocet-531 Particle Counter/Dust Monitor

**2-in-1 Performance!**

- Two in One Performance
- Plug-and-Play Temp/RH Probe

## ✓ Particle Mass Profiler and Counter in a Single Handheld Unit

The Aerocet 531 is a small, handheld, battery-operated, and completely portable unit. This unit provides both particle counts or mass PM measurements as stored datalogged values, real-time networked data, or printed results.

## ✓ Five Mass Ranges and Two Particle Sizes

All five important mass size ranges (PM1, PM2.5, PM7, PM10, and TSP) are displayed in mass mode as well as two popular cumulative particle sizes (> 0.5 and > 5.0 microns) in particle mode.

## ✓ Tailored Mass Conversion

A simple The particle counts from eight size ranges are converted to mass using a proprietary algorithm for typical-density aerosols. Accommodation for special particulate with different densities is provided through user-programmable "K-factors".

## ✓ Flexible Data Interfaces

The Aerocet 531 stores up to 4,000 records for printer output, Excel® formatted output, or networked datalogging through the included single computer software (AeroComm).

## ✓ Temperature and Relative Humidity Option

A plug-and-play option that immediately adds ambient temperature and relative humidity capabilities to the displayed and logged data.

## ✓ Applications

- Controlled Environments
- Indoor Air Quality
- Process Control
- HVAC Applications
- Filter Testing
- Mining & Ore Processing
- Emission Sourcing
- Remote Sampling
- Hospitals & Clinics



## Specifications

Flow Rate	0.1cfm (2.83l/min)
Concentration Range	0-3,000,000 particles per cubic foot(105,900 particles/L) Mass Mode: 0-1mg/m <sup>3</sup>
Particle Size Range	Count Mode: >0.5µm and >5.0µm Mass Mode: PM1, PM2.5, PM7, PM10, TSP
Sensitivity	0.5µm
Accuracy	+/-10% to calibration aerosol
Sample Time	Count Mode: 1 minute; Mass Mode: 2minutes
Light Source	Laser diode, 5mW, 780nm
Keyboard	7-button membrane
Display	4 line by 16-character LCD
Communications	RS232
Temp/RH	Optional G3120 RH & Temperature Probe
Software	Aero Comm Software
Operating Temperature	0-50°C
AC Adapter/Charger	100-240VAC to 9VDC @ 350mA Typical
Size(L x W x D)	159mm x 102mm x 54mm
Weight	880g

## Standard Supplied

Aerocet 531 Meter  
Zero Filter Kit  
Isokinetic Sample Probe  
AC-DC Converter and Power Cord  
RS232 Cable  
Aero Comm Software  
Calibration Certificate  
Operation Manual  
Carrying Case



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