

# GT-521S

## Handheld Particle Counter

Bench unit performance in the palm of your hand.



Met One Instruments, Inc.

### Big Performance, Small Size

The GT-521S is a full-featured, battery-operated, portable particle counter that provides the functionality of a bench unit with the convenience of a handheld. This powerful device supports cumulative or differential counts, standard concentrations, total counts and count alarms.

### Rugged metal construction

The aluminum enclosure provides protection from bumps and scrapes that can damage plastic instruments. A rugged carrying case is also provided.

### User Selectable Particle Sizes

Two programmable count channels with 0.3 to 10 micron size ranges.

### Data Storage

Store up to 8,000 sample events. Sample history can be viewed on the local display or download to a computer using Comet software.

### Battery Powered

24 hours of typical (intermittent) operation or 10 hours of continuous operation from a single charge. Recharge time is approximately 2.5 hours.

### Temperature / Relative Humidity Option

A plug-and-play option that immediately adds ambient temperature and relative humidity data.



## Applications

Controlled Environments

Indoor Air Quality

Process Control

HVAC Applications

Filter Testing

Compliance Testing

Emission Sourcing

Remote Sampling

**Whatever your particular needs,  
The right choice is only natural.**

## Performance

Particle Size Range	0.3µm - 10µm, 2 channels
Calibrated Sizes	0.3 µm, 0.5µm, 1.0µm, 2.0µm 5.0µm and 10µm
User Size Settings	0.1µm steps from 0.3µm - 2.0µm 0.5µm steps from 2.0µm - 10µm
Concentration Range	0 – 3,000,000 particles per cubic foot (105,900 particle/L)
Accuracy	± 10% to calibration aerosol
Flow Rate	0.1 cfm (2.83 lpm)
Data Storage	8,000 samples

## Electrical

Light Source	Laser Diode, 90mW, 780 nm
Battery	7.4V 2,200 mA H Li-ion battery pack.
Battery Operation	10 hours continuous operation. Battery recharge time is 2.5 hours.
AC Adapter/Charger	Li-ion battery charger, 100 – 240 VAC, 50/60Hz
Communications	USB, RS-232 or RS-485
Certifications	Meets or exceeds CE, ISO 21501-4

## Interface

Display / Keyboard	16 character x 4 line LCD / 7 key membrane type
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## Physical

Height, Width, Depth	6.25" (15.9 cm), 4.00" (10.2 cm), 2.12" (5.4 cm)
Weight	2.00 lbs (0.91 kg)

## Environmental

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

## Accessories

Supplied	Operation Manual	(PN GT-521S-9800)
	USB Cable	(PN 500787)
	Comet Software	(PN 80248)
	AC Adapter / Battery Charger	(PN 390031)
	Iso-kinetic Sample Probe	(PN G3110)
	Carrying Case	(PN 8517)
	Zero Particulate Filter	(PN G3111)
Optional	RH & Temperature Probe	(PN G3120)
	Flow Meter	(PN 9801)
	Custom Serial Cable	(PN 3228)
	Portable Printer	(PN G3115)
	Particle View Software	(PN Particle View)



**Met One Instruments, Inc.**

1600 Washington Blvd., Grants Pass, OR 97526

Tel: 541.471.7111 | Fax: 541.471.7116

E-mail: [handhelds@metone.com](mailto:handhelds@metone.com) | [www.metone.com](http://www.metone.com)