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.

Specifications GT-521S

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 mAH 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

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	0º C to +50º C
Storage Temperature	-20º C to +60º 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)

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