

GT-521S Handheld Particle Counter

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 hand-held. This powerful device supports cumulative or differential counts, standard concentrations, total counts and count alarms.

Key Features:

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 6 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

Performance

Particle Size Range	0.3µm - 10µm, 2 channels
Calibrated Sizes User	0.3 µm, 0.5µm, 1.0µm, 2.0µm 5.0µm and 10µm
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. 6 hours continuous operation.
Battery 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

Specifications are subject to change at any time.

SUPPLIED ACCESSORIES

Operation Manual
USB Cable
Comet Software
AC Adapter / Battery Charger
Iso-kinetic Sample Probe
Carrying Case
Zero Particulate Filter
Calibration Certificate

OPTIONAL ACCESSORIES

RH & Temperature Probe
Flow Meter
Custom Serial Cable
Portable Printer & Paper
Wall/Tripod Mount
ISO 21501-4 Cal
Particle View Software