GT-526 Handheld Particle Counter

Met One Instruments, Inc.

The Affordable Six Channel Solution

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 Channels 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 port 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

Whatever your particular needs, the right choice is only natural.

Measurement Method	Scattered laser light
Performance	
Particle Size Range	6 channels – 0.3 µm, 0.5 µm, 0.7 µm, 1.0 µm, 2.0µm and 5.0 µm
Concentration Range	0 – 3,000,000 particles per cubic foot (105,900 particle/L)
Accuracy	± 10% to calibration aerosol
Sensitivity	0.3 µm with 2 to 1 peak to valley (JIS), 2 to 1 S/N
Flow Rate	0.1 cfm (2.83 lplm)
Sample Time	Adjustable: 1 to 999 seconds
Hold Time	Adjustable: 0 to 999 seconds
Electrical	
Light Source	Laser Diode, 35 mW, 780 nm
Power	6V Ni-MH Self-contained battery pack – Provides for 17 hours of typical intermittent operation, up to 11 hours continuous use. Full recharge may take up to 15 hours.
AC Adapter/Charger	AC to DC module, 100 – 240 VAC to 9 VDC @ 350 mA typical
Communications	RS-232 or RS-485
Certifications	Meets or exceeds CE, ISO, ASTM and JIS international certifications.
Interface	
Display	16 character x 4 line LCD
Keyboard	7 key membrane type
Physical	
Size	Height = 6.25" (15.9 cm) Width = 4.0" (10.2 cm) Thickness = 2.12" (5.4 cm)
Weight	1.94 lbs – 31 ounces – (0.88 kg)
Environmental	
Operating Temperature	0º C to +50º C
Storage Temperature	-20º C to +60º C
Accessories	
Supplied	Operation Manual Serial Cable Comet Software AC to DC Converter Module with IEC AC Power Cord Iso-kinetic Sample Probe Screwdriver Carrying Case Zero Particulate Filter (MOI #G3111)
Optional	RH & Temperature Probe (MOI #G3120) Flow Meter (MOI #9801) Portable Printer (MOI #G3115)

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