

## GT-324 Handheld Particle Counter

The GT-324 is a full-featured, battery-operated, portable particle counter that provides the functionality of a benchtop unit with the convenience of a hand-held.

### KEY FEATURES:

#### Seven Selectable Sizes

Operator can choose 4 of the particle sizes of interest from 0.3, 0.5, 0.7, 1.0, 2.5, 5.0 and 10.0 microns.

#### Temperature / Relative Humidity Included

A fully integrated sensor that immediately adds ambient temperature and relative humidity capabilities to displayed and logged data.

#### Data Storage

Store over to 2,200 sample events. Sample history events can be viewed and downloaded to a computer using Comet or Particle View software or simple ASCII terminal commands.

#### Upgraded Software Package

The GT-324 is supplied with Particle View software. This data collection software has reports, alarms, charts, and conversions for improved data analysis.

#### Easy to Use, Convenient for Compliance

The user interface is simple with the multifunction rotary dial. Comply with 21 CFR Part 11 with a password feature to prevent unauthorized changes to the user settings. ISO 21501-4 compliant capable.

### APPLICATIONS:

- CONTROLLED ENVIRONMENTS
- INDOOR AIR QUALITY
- PROCESS CONTROL
- HVAC
- FILTER TESTING
- COMPLIANCE TESTING
- EMISSION SOURCING
- QA PROGRAMS



## Performance

|                          |                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------|
| Particle Size Range      | Four Channels: >0.3, >0.5, >0.7, >1.0, >2.5, >5.0 and >10.0 $\mu\text{m}$ (selectable) |
| Concentration Range      | 0 – 3,000,000 particles per cubic foot (105,900 particle/L)                            |
| Accuracy                 | $\pm 10\%$ to calibration aerosol                                                      |
| Flow Rate                | 0.1 cfm (2.83 lpm)                                                                     |
| Data Storage Sample Time | 2,200 samples<br>Adjustable: 3 to 60 seconds                                           |

## Electrical

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Light Source Battery | Laser Diode, 90mW, 780 nm                                                                                                   |
| Battery Charge Time  | 7.2V Li-ion self-contained battery pack. 11 hours continuous operation.<br>Fully charged in 2.5 hours                       |
| AC Adapter/Charger   | AC to DC module intelligent Lithium Ion charger, 100 – 240 VAC to 8.4 VDC @ 1500 mA typical. Charge time 2.5 hours typical. |
| Communications       | USB                                                                                                                         |
| Certifications       | Meets ISO 21501-4                                                                                                           |

## Interface

|          |                                              |
|----------|----------------------------------------------|
| Display  | 16 character x 2 line LCD                    |
| Keyboard | 2 button membrane type with rotary dial knob |

## Physical

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Height, Width, Depth | 6.25" (15.9 cm), 3.65" (9.3 cm), 2.00" (5.1 cm) |
| Weight               | 1.6 lbs (0.73 kg)                               |

## Environmental

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

## SUPPLIED ACCESSORIES

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

## OPTIONAL ACCESSORIES

Flow Meter  
ISO 21501-4 Cal (80849)

*Specifications are subject to change at any time.*

