

# PARTICLE MONITOR

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# The GT-321



- ↳ Size selection, 5 ranges
- ↳ Total particle count
- ↳ Hand-held package
- ↳ NIST traceable calibration

The GT-321 Particle monitor provides a low cost monitoring method for particle sizing and concentration. Particles are detected according to selected size ranges, counted and displayed. The GT-321 is hand-held and supplied with an internal flow system and batteries.

It is ideal for a variety of monitoring applications. Ventilation system testing, Process measurement, Filter testing, Facility monitoring, Clean-room monitoring, Emission sampling, Mines

Each particle is individually counted and sized. This enables the electronics to count only the particles at interest. Five size ranges are available. Set monitoring at the lower particle size and the GT-321 will count all particles of the set size and up. Typical monitors require a time period (usually one minute or longer) before particle concentration can be displayed. The GT-321 has a built-in rate counter that provides a series of 6 second count periods, each period is extrapolated to provide a concentration per sample volume. The suction flow rate is 0.1 cfm (2.83 lpm) which makes it ideal for a wide range of concentrations. Self-contained battery pack provides power for 8 hours of intermittent use, or 5 hours of continuous use. Supplied battery charger will operate the unit, even if the batteries are discharged. Battery charge time is 8 hours.

Display	12 character LCD
Keyboard	2 button membrane type
Particle Size Range	0.3 $\mu$ m and greater
Concentration Range	0 – 3,000,000 particles per cubic foot
Flow Rate	0.1 cfm (2.83 lpm)
Sample Time	1 minute
Minimum Size Selection	0.3, 0.5, 1.0, 2.0, 5.0 $\mu$ m
Operating Temperature	0 - +50°C
Power	Self-contained battery
Size	89 (W) x 64 (D) x 153 (H) mm
Weight	740 g
Supplied Accessories	Battery charger
Optional Accessories	Carrying case Isokinetic sample head



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