

PARTICLE MONITOR

PARTICLE MONITOR

The GT-331



- ↳ **Four size ranges**
- ↳ **Digital display**
- ↳ **Hand-held**
- ↳ **Computer interface**

Survey the environment with this extremely portable, size selective mass monitor. Internal flow system, rechargeable battery pack and hand held size make this unit a perfect survey tool for a wide range of applications.

Filter testing, Monitoring industrial hygiene, Emission sampling, Air quality surveys

Pushing the START key starts a four minute cycle, then using the SELECT key the concentration in each of the four size ranges may be displayed. When in operation, the air is drawn through a small optical orifice and a laser optical system counts and sizes particles as they pass through. The pulses from the detector are stored in one of four memory banks and converted into mass. The flow rate is 2.83 lpm which makes it ideal for a wide range of concentrations.

Measuring Principle	Particle discriminator, light scatter
Measurement Ranges	<1.0 micron, PM 1.0 mass concentration> <2.5 micron, PM 2.5 mass concentration> <7.0 micron, PM 7.0 mass concentration> <10.0 micron, PM 10.0 mass concentration>
Concentration Limit	300 micrograms
Measuring Sensitivity	0.1 microgram
Measurement Time	4 minutes
Flow Rate	2.83 lpm (0.1 cfm)
Display	16 character LCD
Digital Output	RS-232
Operating Temperature	0~50℃
Power	Self-contained battery, AC100~240V, 50/60Hz
Size	89(W) x 64(D) x 153(H) mm
Weight	740 mg
Supplied Accessories	Battery charger, Carrying case, Isokinetic probe