

Osiris Dust Monitor

Specifications

Detector:	Turnkey laser nephelometer
Measurement Range:	0 to 6000 $\mu\text{g}/\text{m}^3$
Detection Limit:	0.01 $\mu\text{g}/\text{m}^3$
Particle Size Range:	0.5 to 20micron diameter
Environmental Mode:	TSP, PM10, PM2.5, PM1.0
Workplace Mode:	Inhalable, Thoracic, Respirable
Flow Rate:	600cc per minute
Standard Inlet:	TSP (1mm stainless steel mesh)
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Workplace Mode:	Inhalable, Thoracic, Respirable
Flow Rate:	600cc per minute
Standard Inlet:	TSP (1mm stainless steel mesh)
Reference Filter:	25mm diameter GFA circle
Display:	2 line alphanumeric LCD with backlight
Data Storage:	Internal 128Kb memory with separate battery back-up
Averaging Period:	1 second to 4hours
Data Download:	RS-232 or via GSM module to laptop with data enabled SIM card
Meteorological Inputs:	Wind speed and direction