Dust Sentry Pro

Real-Time Particulate Monitor

The Dust Sentry Pro is a real-time, 8-channel particle monitor for aerosol measuring and reporting in real-time, with 1-minute data intervals. An optical particle counter converts counts to mass fractions, including PM10, PM2.5, and PM1, along with TSP, using a proprietary algorithm.

Packaged in a weather-proof, lockable enclosure, this built-to-suit monitor is light enough for one-person site installations. Features an embedded PC and Aeroqual Cloud, a powerful cloud-based data management suite. Optional weather and chemical sensors are also available.

- ✓ **Available for Rent or Sale**
- ✓ **World-Class Technical Support from CleanAir**
- ✓ **Full Inspection on Every CleanAir Rental**
- ✓ **Equipment Repair and Calibration Checks**

TECHNICAL SPECIFICATIONS		
TARGET POLLUTANTS AND PARAMETERS	PM: 0.3, 0.5, 0.7, 1.0, 2.0, 3.0, 5.0, 10 microns Weather (Opt.): wind, temp, RH, BP, noise, solar Chemicals (Opt.): NO2, O3, CO, H2S, SO2, VOCs	
MEASURING RANGE	PM1 PM2.5 PM10 TSP	200 µg/m3 2000 µg/m3 5000 µg/m3 5000 µg/m3
ACCURACY	<±(5 µg/m3 + 15% of reading)	
FLOW RATE	1.0 LPM	
DETECTION LIMITS	LOWER	1 µg/m3
	COUNT RANGE	0-1000000 particles/L
COMMUNICATIONS	WIFI, Ethernet; Opt. Cellular: IP HSPA 4G	
POWER	100-260 VAC: 24.7 W or 12 VDC: 27.2 W and Solar	
ENVIRO TEMP RANGE	14 °F to 113 °F (-10 °C to +45 °C)	
DIMENSIONS (INCHES)	19 H x 13 W x 7.4 D	
WEIGHT	28.6 lb	

PM

Laser Particle Counter
Weather Sensors (Optional)

KEY FEATURES

- Measures real-time PM10, PM2.5, PM1, TSP
- Near-Reference correlation to EPA FRM PM
- Approved for Rule 1466 by SCAQMD, USA
- Aeroqual Cloud data storage and tool suite
- Remotely configure and diagnose networks
- Receive user-defined SMS/email alerts
- Robust, weather-proof, locking enclosure

APPLICATIONS

- Air quality research
- Brownfields ESAs and clean-up
- Construction activities
- Quarry and mine operations
- Port and bulk handling terminals
- Waste management sites

Similar Products Available from CleanAir

Met One E-Sampler

Mesa Labs BGI PQ200

Teledyne API T640x

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