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PROMAT
Your Solution To Testing Instrument

Safety and Environmental
IAQ

Respiratory Air Monitor

The HD-1100 uses infrared technology which provides accurate and instantaneous data on airborne particle concentrations, in accordance with NIOSH method #0600.
The HD-1100 saves money by eliminating repetitious and costly gravimetric air sampling and the associated time delays involved with laboratory analysis. With the HD-1100 your results are determined easily and immediately.

Applications

- Determining level of respiratory protection
- Survey of workplace for OSHA/EPA compliance
- Quantifying off site particulate migration
- Surveying for PM-10 and Total Suspended Particles (TSP) levels
- Monitoring dust generation during drilling/excavation operations
- Evaluating dust suppression and engineering controls
- Locating and identifying "Hot Spots"
- Emergency response & SARA Title III fugitive emissions compliance
- Evaluating worker exposure to airborne contaminants
- Dust collector/ventilation system checks
- Monitoring lung damaging particulates in factories & buildings
- Can be used in all OSHA & EPA personal and ambient particulate air sampling applications

Features

The HD-1100 is user-friendly and easy to set up. As soon as you turn the instrument on the unit is already sampling for dust. The high sensitivity range is sensitive enough to monitor all OSHA/NIOSH reference methods. Sensitivity goes down to 0.01 mg/m&sup3. The HD-1100 has an abundance of features.

- Easy operation
- High Sensitivity range as low as .01 mg/m³
- Alarm pre-set
- Low battery indicator
- Optional Data Logger (model DL-103)
- Optional tri-pod stand, no need to carry the HD-1100 around
- Light Weight with a rugged construction with no reason to worry if the instrument gets dropped accidentally
- The unique design provides protection against RFI/EMI waves (emitted from radios, transmitters, etc.)

Specification	
Display	LCD 3.5 digits mg/m^3 concentration reading
Calibration	NIOSH method 0600 using Arizona Road Dust test dust
Sensing range	0.01 - 200 mg/m^3
Particle size range	0.01 - 50 & microm
Precision	±0.02 mg/m^3
Accuracy	±10% to NIOSH 0600
Power	NiMH rechargeable battery
Operating Time	>8 hours
Charging Time	10-12 hours
Signal output	0-2 Volt
Humidity	95% non-condensing
Dimension	9" x 3" x 1.5"
Weight	2 lbs.

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