

AREA DUST MONITOR

ADR-1500

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The ADR-1500 Area Dust Monitor is a nephelometer allowing real-time measurements of dust mass concentration in the air.

A particle size separation allows the measurement of Total dust, PM-10, PM-4 PM-2, 5 and PM-1 concentrations.



APPLICATIONS

- Ambient Air
- Contaminated Sites
- Construction or renovation sites
- Industrial activity area



BENEFITS

- ⊕ Continuous measurement of airborne particle mass concentrations
- ⊕ Choice of the fraction to measure: PM-10, PM-4, PM-2.5, PM-1 and Total Dust
- ⊕ Measures ambient temperature, atmospheric pressure, relative humidity: volumetric flow regulation and humidity compensation
- ⊕ Operates on 220 V and battery, low power consumption
- ⊕ Durable, weatherproof IP65 enclosure
- ⊕ Designed for a quick set-up and an easy maintenance

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SPECIFICATIONS

MEASUREMENT RANGE	0,001 to 400 mg/m ³
RESOLUTION	1 µg/m ³
SAMPLING FLOW RATE	1 to 3,5 lpm
SEPARATION	PM-10 and PM-4, PM-2,5 and PM-1 by cyclones
DISPLAY	Updated every second
DATA RECORDING	Instant or averaged, adjustable averaging period from 1 second to 1 hour
INTERNAL MEMORY	Capacity of 50 000 measurements with identification of sampling location
PROGRAMMING SAMPLING AND DATA STORAGE PARAMETERS	Directly on the screen or by software
COMMUNICATION	Unloading stored data with a RS232/USB port, data processing software for Windows PC and RS232 cable, possibility of remote communication
ANALOG OUTPUTS	0-2 V and 4-20 mA proportional to the concentration, full scale adjustable from 0.1 to 400 mg/m ³
POWER	100-240 VAC, 50/60Hz, 12/24 Vdc pour fonctionnement sur batterie ou panneau solaire (en option)
TEMPERATURE OPERATING	-10 to 50°C
DIMENSIONS	215 x 431 x 533 mm
WEIGHT	13 kg
VISUAL ALARM	Adjustable on the whole range
CASE	IP65 seal



ECOMESURE

Réf.F100 V1