



Thermo Scientific

MIE DATARAM 4000

Pine Item #51344

DESCRIPTION:

The DataRAM 4 (Model DR-4000) continuously monitors the real-time concentration and median particle size of airborne dust, smoke, mist, and fumes. In addition, air temperature and humidity are displayed. With appropriate particle discriminators it provides measurements correlated with PM10, PM2.5 and respirable fractions. Its patented two-wavelength particle detection system provides the volume median particle diameter of the sampled aerosol, over a concentration range of up to 400 mg/m³

FEATURES:

- Datalogging for work-shift monitoring
- Monitors mass concentrations of fine particulate (PM 2.5)
- Compact rugged and totally self-contained
- Designed for portable operation as well as unattended fixed-point operation
- Powered by internal rechargeable battery or by an AC power supply/charger (included)
- Instrument automatically checks its own optical background during the zeroing sequence and indicates any significant deviations requiring maintenance
- Covers a wide measurement range from 0.0001 mg/m³ (0.1 µg/m³) to 400 mg/m³ a four million-fold span ranging from very clean air to air with extremely high particle concentrations
- Complete large-capacity (50000 data point) internal datalogging capabilities with data retrieval on screen or through an externally connected computer
- Stored information includes individual point averages particle size temperature and humidity with time information as well as overall average and maximum concentration and tag numbers
- Selectable alarm levels with built-in audible signal as well as switched and signal outputs RS-232 and RS-485 communications ports and a programmable analog (voltage and current) concentration output



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Product Specifications

Range	0.0001 to 400 mg/m ³ (autoranging)
Accuracy	+/- 2% of reading
Particle Size Range Maximum Response	0.1 to 10µm
Sample Flow Rate	1.0 to 3.0 liters/minute
Datalogging	50000 data points in up to 99 data groups
Output	RS-232/RS-485 port
Power	Sealed lead-acid battery up to 20 hours operation or AC operation with adapter
Dimensions	US - 6.54 x 8.90" x 12.87"; Metric - 166 x 226 x 327 mm
Weight	US - 12 lbs Metric - 5.44 kg



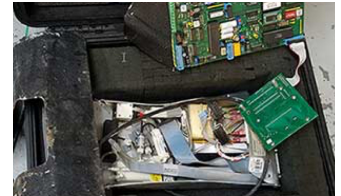
Local Delivery Pick-up



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Repair & Calibration



Rental Protection Plan