

# MET ONE E-Sampler

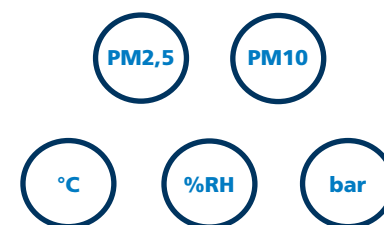
## Particle Analyzer / Dust Sampler

The Met One E-Sampler is ideal for counting particles and dust in ambient air. This device uses dual laser and gravimetric technology for real-time monitoring of aerosols and particles. Equipped with a datalogger, its battery life (supplied) is 30 hours.

The E-sampler is suitable for outdoor and indoor measurements and provides measurements of ambient temperature, atmospheric pressure and relative humidity. The E-Sampler can be used as a dust collector on a 47mm filter.



- ✓ **Rental from one day**
- ✓ **Technical assistance included**



**Nephelometry**

**Gravimetric sampling**

### TECHNICAL SPECIFICATIONS

CYCLONE HEAD	PM10, PM 2,5
MEASURING RANGE	0-0,5, 0-1, 0-10 and 0-100 mg/m <sup>3</sup>
DETECTION LIMIT	1 µg/m <sup>3</sup>
SENSIBILITY	0,01 µg/m <sup>3</sup>
FLOW SAMPLING	From 1 to 3.5 l / min, temperature and pressure compensated
PRECISION	0.03 µg / m <sup>3</sup> or 2% of reading
SAMPLING FILTER	47 mm
POWER	12 VDC
BATTERY AUTONOMY	30 hours without heating and 10 hours with heating
MEASUREMENTS STORAGE	Up to 10,000 records
OPERATING TEMP.	-30 to +50 °C
TRIPOD	Included
ANALOGUE OUTPUT	0-110 VDC, RS232
DIMENSIONS	267 x 235 x 145 mm
WEIGHT	20 kg

## KEY POINTS

- Programmable auto-zero and auto-span
- Automatic range (1 to 65,000 µm / m<sup>3</sup>)
- Automatic flow control
- Precise laser diode optical engine
- Ambient pressure and temperature
- Internal data logger
- Weather resistant aluminum case
- No filter replacement tools

## APPLICATIONS

- Air quality monitoring
- Monitoring on remediation sites
- Indoor air quality monitoring
- Ambient air analysis on construction sites
- Ambient air analysis on industrial sites

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