

E-FRM

PARTICULATE SAMPLER

The E-FRM by Met One Instruments Inc is a single channel particulate sampler approved as a US-EPA reference method for $PM_{2.5}$, PM_{10} and $PM_{10-2.5}$. Configured with an alternate $PM_{2.5}$ cyclone, the E-FRM may also be operated as a US-EPA designated equivalent method for $PM_{2.5}$.



For ease of shipping, the E-FRM is nested in a compact package. When installed, the package expands to normal sampling height, with the sampler on top, and a separate pump box below within the work frame.

The E-FRM sampler is also designed for easy setup and deployment. This allows it to be used for either permanent long-term sampling at a fixed site or as an audit sampler for frequent relocation.

APPLICATIONS

- Criteria PM Sampling
- Audit Sampling
- Remote Sampling Applications
- Health Studies
- Perimeter Sampling
- Regulatory Enforcement.



Stowed for shipping

SPECIFICATIONS

Measurement Principle:	Programmable single-event filter sampler for ambient particulate concentrations by gravimetric laboratory analysis
Design Specifications:	Title 40 CFR, Part 50 Appendix L
US EPA Designations:	PM _{2.5} RFPS-0315-221 (VSCC or WINS) PM _{2.5} EQPS-0316-235 (URG) PM ₁₀ REPS-0216-231 PM _{10-2.5} RFPS-0316-232
Vacuum Pump:	Dual-head diaphragm AC pump standard (specify voltage)
Compatible Software:	FRM Comm
User Interface:	Extended temperature 8x40 character LCD display with dynamic keypad
Enclosure Type:	Active fan ventilation with solar shield and separate pump enclosure
Deployed Dimensions:	2.0 meters (77") high, 42 cm (16.5") wide, 53 cm (20.75") deep
Stowed Dimensions:	105 cm (41") high, 42 cm (16.5") wide, 53 cm (20.75") deep
Weight:	Complete System : 29 kg (69 lbs.) Removable pump box: 12.7 kg (28 lbs)
Power:	110 - 120 VAC, 60 HZ 220 - 230 VAC, 50 / 60 HZ



The E-FRM Filter Sampler is easy to install



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