

E-FRM Pariculate Sampler

The MetOne Instruments, Inc. E-FRM 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 sampler on top, 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



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.
U.S. 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 8×40 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: 110-120VAC, 60HZ
220-230VAC, 50/60HZ