E-FRM
Particulate Sampler

Met One Instruments, Inc.

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.

STOWED FOR SHIPPING

Applications:

Criteria PM Sampling

Audit Sampling

Remote Sampling Applications

Health Studies

Perimeter Sampling

Regulatory Enforcement

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 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   110-120VAC, 60HZ
220-230VAC, 50/60HZ

THE E-FRM FILTER SAMPLER IS EASY TO INSTALL

Met One Instruments, Inc.

1600 Washington Blvd., Grants Pass, OR 97526
Tel: 541.471.7111 | **Fax:** 541.471.7116
E-mail: sales@metone.com | **www.metone.com**