



TISCH
Environmental

WILBUR
US EPA FRM PM SAMPLER

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨
- ⑩
- ⑪
- ⑫
- ⑬
- ⑭
- ⑮
- ⑯
- ⑰
- ⑱
- ⑲
- ⑳
- ㉑
- ㉒
- ㉓
- ㉔
- ㉕
- ㉖
- ㉗
- ㉘
- ㉙
- ㉚
- ㉛
- ㉜
- ㉝
- ㉞
- ㉟
- ㊱
- ㊲
- ㊳
- ㊴
- ㊵
- ㊶
- ㊷
- ㊸
- ㊹
- ㊺
- ㊻
- ㊼
- ㊽
- ㊾
- ㊿





General Specifications

Particulate Size:

Main inlet is EPA-designed PM10 size selective louvered inlet (TE-PM10-D)
TSP, PM4, PM2.5, PM1 available

Sampling Interval:

Preprogrammed USEPA 1 in 3, 1 in 6, 1 in 12, 24hr sampling
User defined sampling intervals
Meteorological sampling triggers

Environmental Specifications

Operating Temperature:

-35 °C to 50 °C

Ambient Temperature Sensor:

Sensor: PT100 RTD
Accuracy: $\pm 0.15^\circ\text{C}$
Resolution: 0.01°C

Filter Temperature Sensor:

Sensor: PT100 RTD
Accuracy: $\pm 0.15^\circ\text{C}$
Resolution: 0.01°C

Barometric Pressure Sensor:

Range: 450 mmHg to 1238 mmHg
Accuracy: ± 10.00 mmHg
Resolution: 0.75 mmHg

Flow Control Specification:

Brushless DC Pump operates at 16.67 L/min
Range: 0-25 Liters per minute
Accuracy: $\pm 2\%$ or less (0.33L/min)
Repeatability: $\pm 1\%$ of full scale (0.25 LPM)
Resolution: 0.01 LPM
Real-time precision flow control

Electrical Specifications

Power Requirements:

Input: 100-240VAC, 50/60Hz, 0.5A Max
Output: 24VDC, 60watts Max

Optional:

Solar, wind, or enhanced battery operation

Applications

Regulatory Monitoring:

USEPA Designations:

RFPS-1014-219 for PM2.5
RFPS-1014-216 for PM10

Uses 47mm PTFE filters standard, other filter material types are available

Remote Monitoring

Dust Monitoring

Site Development

Bulk Transport

Employee Safety

Fence Line Monitoring

Communication Specifications

Included I/O:

MODBUS TCP: for gathering data via ethernet port into data acquisition system

USB: for local download of runtime data and history data

Email: If networked via local ethernet port, can send data logs, history logs and alarms

RJ45 Ethernet: Full remote control and monitoring using any internet browser

Physical Specifications

Weight:

48lbs / 21.8kg without stand

Dimensions:

20"W x 20"H x 10"D
508mm x 508mm x 254mm

Contact Information

Tisch Environmental

145 S. Miami Ave
Clevs, OH 45002
513-467-9000
sales@tisch-env.com