



MFC TSP

Ambient Air Sampler

The TE-5170D-BL is a high volume ambient Total Suspended Particulate (TSP) air sampler featuring a mass flow controller (MFC) for accurate and consistent particulate sampling, digital timer, and a maintenance free brushless motor. The mass flow controller adjust the motor speed as the filter media collects particulate to maintain a constant flow rate throughout the entire sample duration. The system utilizes a stainless steel filter holder for use with standard 8" x 10" filter paper. The anodized aluminum shelter and robust electrical components allow the system to operate a continuous 24 hour sample.

ABOUT US: Tisch Environmental Inc. Tisch Environmental is the benchmark for high volume air sampling, particulate, metals, volatiles, and specialty monitoring equipment. Since the company's inception in 1953 as General Metal Works, our product line has expanded from the first high volume air sampler to include high-tech and custom samplers. Our clients are professionals from every sector of the regulatory and industrial markets.

- ④ **Meets EPA CFR, Appendix B to Part 50**
- ④ **Total Suspended Particulate(TSP)**
- ④ **Mass Flow Controlled**
- ④ **Digital Timer**
- ④ **Elapsed Time Indicator**
- ④ **Aluminum Outdoor Shelter**
- ④ **Brushless Style Motor**
- ④ **Dickson Chart Recorder, 24Hour**
- ④ **Stainless Steel Filter Holder**
- ④ **36-60 CFM**
- ④ **Made in USA**

General System Specifications

Particulate Size:Total Suspended Particulate (TSP)
EPA Designation:CFR 40 Part 50 Appendix B
Flow Controller: Mass Flow Controller
Motor Style:Brushless Style Motor Assembly
Pressure Recorder:Dickson Chart Recorder, 24 hour
Timer: Digital Timer
Elapsed Time Indicator: Digital, HH:MM
Flow Range:39-60CFM, 1.09M³M-1.68M³M
Housing:Anodized Aluminum
Filter Holder:Stainless Steel, 8" x 10"
4" Recorder Charts: Box of 100
Filter Holder: 8" x 10" Stainless Steel with hold down frame

Applications

US EPA Reference Method Sampling, CFR
 Appendix J Part 50 Regulatory Compliance
 Institutional Studies
 Construction Sites
 Bridge and Water Tower Painting Sites
 Fence Line Monitoring
 Industrial Monitoring
 Landfill Monitoring
 Public Health Applications

Available Models

TE-5170DBL TSP MFC, 110 Volt 60 Hertz, 8 Amps
TE-5170DBLX TSP MFC, 220 Volt 50 Hertz 4 Amps
TE-5170DBLXZ TSP MFC, 220 Volts 60 Hertz, 4 Amps

Calibration Equipment

TE-5028 -Variable Flow Calibration Kit
 TE-HVC-V Xcalibrator HiVol Calibrator

Digital Timer Features

Programmable Sampling Schedules
 LCD Display
 Battery Backup
 Soft Press Keypad
 Multiple Elapsed Time Indicators

Optional Equipment

TE-3000 Filter Holder Cartridge
 TE-G653 8" x 10" Glass Fiber Filter Media
 TE-117417 Replacement Motor (110 volt)
 TE-117415 Replacement Motor (220 volt)
 TE-106 Recorder Charts
 TE-160 Recorder Pen Points
 TE-5018 Gasket 8" x 10"

Physical Specifications

Weight: 75lbs, Shelter
Shipping Dimensions: 46"W x 23"L x 20" H, Shelter
 19"W x 19"L x 20"H, Lid
Assembled Dimensions: 28"W x 28"L x 61"H