



## MFC PM<sub>10</sub> Ambient Air Sampler



The TE-6070D is a high volume ambient PM<sub>10</sub> air sampler featuring a mass flow controller (MFC) for accurate and consistent particulate sampling and a US EPA recommended digital timer. 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. The TE-6070D is well suited for all applications that require the use of a Federal Reference Method high volume PM<sub>10</sub> particulate sampler.

**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.

- ⌚ **Meets EPA CFR, Appendix J to Part 50**
- ⌚ **PM<sub>10</sub> Size Selective Inlet**
- ⌚ **Mass Flow Controlled**
- ⌚ **Digital Timer**
- ⌚ **Multiple Elapsed Time Indicator**
- ⌚ **Aluminum Outdoor Shelter**
- ⌚ **Brush Style Motor**
- ⌚ **Dickson Chart Recorder, 24 Hour**
- ⌚ **Stainless Steel Filter Holder**
- ⌚ **Filter Paper Cartridge**
- ⌚ **36-44 CFM**
- ⌚ **Made in USA**
- ⌚ **Federal Reference Method 0202-141**

## General System Specifications

- Particulate Size:** PM10 (TE-6001)
- EPA Designation:** RFPS-0202-141
- Flow Controller:** Mass Flow Controller (TE-300-310)
- Motor Style:** Brush (TE-5005)
- Pressure Recorder:** Dickson Chart Recorder, 24 hour (TE-5009)
- Timer:** Digital (TE-303)
- Elapsed Time Indicator:** Digital, Resettable, Hours and Tenths
- Flow Range:** 36-44CFM, 1.02M<sup>3</sup>M-1.24M<sup>3</sup>M
- Housing:** Anodized Aluminum
- Filter Holder:** Stainless Steel, 8" x 10" (TE-6003)

## System Includes

Anodized aluminum shelter, PM10 size selective inlet, Digital Timer, Dickson Chart Recorder, Brush Style Motor Assembly, Mass Flow Controller, Multiple Elapsed Time Indicators, Box of Charts(100/box), Filter Paper Cassette, Stainless Steel Filter Holder

## Calibration Equipment

TE-5028 Calibration Kit  
TE-HVC-V Xcalibrator Hivol Calibrator

## Available Models

**TE-6070D MFC PM10** 110 Volts, 60 Hz, 8 amps  
**TE-6070DX MFC PM10** 220 Volts, 50 Hz, 4 amps  
**TE-6070DXZ MFC PM10** 220 Volts, 60 Hz, 4 amps

## 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

## Optional Equipment

TE-1854C Silicone Compound  
TE-3000 Filter Holder Cartridge  
TE-QMA 8" x 10" Micro-Quartz Filter Media  
TE-33384 Motor Brush Set (110 volt)  
TE-33378 Motor Brush Set (220 volts)  
TE-116311 Replacement Motor (110 volts)  
TE-116312 Replacement Motor (220 volts)  
TE-106 Recorder Charts  
TE-160 Recorder Pen Points  
TE-5018 Gasket 8" x 10"

## Physical Specifications

**Weight:** 75lbs, Shelter  
60lbs, PM10 Inlet

**Shipping Dimensions:** 46"W x 23"L x 20" H, Shelter  
32"W x 32"L x 26"H, Inlet

**Assembled Dimensions:** 28"W x 28"L x 61"H

## Contact Information

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