



## MFC PM10

Ambient Air Sampler

The TE-6070 is a high volume ambient PM10 air sampler featuring a mass flow controller (MFC) for accurate and consistent particulate sampling. 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-6070 is well suited for all applications that require the use of a Federal Reference Method high volume PM10 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
- ⓘ PM10 Size Selective Inlet
- ⓘ Mass Flow Controlled
- ⓘ 7-Day Mechanical Timer
- ⓘ 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:** 7 Day Mechanical (TE-5007)
- Elapsed Time Indicator:** Mechanical, Hours and Tenths (TE-5012)
- 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, 7 Day Mechanical Timer, Dickson Chart Recorder, Brush Style Motor Assembly, Mass Flow Controller, Elapsed Time Indicator, Box of Charts(100/box), Filter Paper Cassette, Stainless Steel Filter Holder

## Calibration Equipment

TE-5028 -Variable Flow Calibration Kit

## Available Models

- TE-6070 MFC PM10** 110 volts, 60 Hz, 8 amps
- TE-6070X MFC PM10** 220 volts, 50 Hz, 4 amps
- TE-6070XZ 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 (110volt)
- TE-33378-Motor Brush Set (220 volt)
- TE-116311-Replacement Motor (110volt)
- TE-116312-REplacement Motor (220 volt)
- 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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**MFC PM10**  
Ambient Air Sampler



The TE-6070D is a high volume ambient PM10 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 PM10 particulate sampler.

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- ④ Meets EPA CFR, Appendix J to Part 50
- ④ PM10 Size Selective Inlet
- ④ Mass Flow Controlled
- ④ Digital Timer
- ④ Multiple Elapsed Time Indicator
- ④ Aluminum Outdoor Shelter
- ④ Brush Style Motor
- ④ Dickson Chart Recorder, 24 Hour
- ④ Stainless Steel Filter Holder
- ④ Filter Paper Cartridge
- ④ 36-44 CFM
- ④ Made in USA
- ④ 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

**Tisch Environmental**  
145 S. Miami Ave  
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## PM10 PLUS

Ambient Air Sampler

The PM10 PLUS is a high volume air sampler used for the collection of PM10 Particulates. Utilizing a microprocessor controlled flow controller, and ambient temperature and barometric pressure sensors; the system is designed to accurately record and control the ambient flow rate. The system also features and automatic calibration function for quick and easy flow rate calibration. The LCD display, soft press keypad, and intuitive menu structure is designed for simply user interaction.

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- ④ 40 CFR Part 50 Appendix J
- ④ PM10 Federal Reference Method 0202-141
- ④ Automatic Calibration
- ④ Digital Timer
- ④ Multiple Elapsed Time Indicators
- ④ USB Data Retrieval
- ④ Records Temperature and Barometric Pressure
- ④ Accurately Calculates Flow Rate
- ④ 40 CFM
- ④ LCD Display
- ④ Made In USA

## General System Specifications

**Particulate Size:** PM10  
**EPA Designation:** 40 CFR Part 50 Appendix J  
**Flow Controller:** PLUS Technology  
**Motor Style:** Brush or Brushless Style Motor Assembly  
**Timer:** Programmable Digital  
**Elapsed Time Indicator:** Digital, Hours and Tenths  
**Flow Range:** 40 CFM  
**Housing:** Anodized Aluminum  
**Filter Holder:** Stainless Steel  
**Barometric Pressure Sensor:** 600-800 mmHg  
**Temperature Sensor:** -40 to 90°C  
**Data Logs(4):** Timer, Interval, Power, Calibration

## Applications

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

## Available Models

### Brush Style

TE-PM10PLUS, 110 Volt 60 Hertz, 8 Amps  
TE-PM10LUSX, 220 Volt 50 Hertz, 4 Amps  
TE-PM10PLUSXZ, 220 Volts 60 Hertz, 4 Amps

### Brushless Style

TE-PM10PLUS-BL, 110 Volt 60 Hertz, 8 Amps  
TE-PM10PLUSX-BL, 220 Volt 50/60 Hertz, 4 Amps

## Calibration Equipment

TE-5025 HVP -HIVOL PLUS Calibration Kit

## Digital Timer Features

Programmable Sampling Schedule  
Multiple Elapsed Time indicators  
Internal Battery Backup  
LCD Screen  
Soft Press Keypad Buttons  
US EPA Recommended

## Optional Equipment

TE-QMA 8" x 10 " Quartz Fiber Filters  
TE-1854C Silicone Compound  
TE-33384 Motor Brush Set (110volt)  
TE-33378 Motor Brush Set (220volt)  
TE-116311 Replacement Brush Motor (110volt)  
TE-116312 Replacement Brush Motor (220 volt)  
TE-117417 Replacement Brushless Motor (110 volt)  
TE-117415 Replacement Brushless Motor (220 volt)

## Physical Specifications

**Weight:** 75lbs, Shelter

**Shipping Dimensions:** 48"W x 20"L x 20" H, Shelter  
32"W x 32"L x 26"H, Inlet

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