



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.

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- ⓘ 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, 1.02M³M-1.24M³M
- 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