



VFC PLUS

Ambient Air Sampler

The VFC PLUS is a high volume air sampler used for the collection of Total Suspended Particulates (TSP), PM10, and PM2.5 ambient particulate matter. Utilizing a microprocessor controlled flow recorder, and ambient temperature and barometric pressure sensors; the system is designed to accurately record the ambient volumetric flow rate. The LCD display, soft press keypad, and intuitive menu structure is designed for simply user interaction.

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 **40 CFR Part 50 Appendix B**
- ④ **TSP, PM10, PM2.5**
- ④ **Volumetric Flow Controller**
- ④ **Digital Timer**
- ④ **Multiple Elapsed Time Indicators**
- ④ **USB Data Retrieval**
- ④ **Records Temperature and Barometric Pressure**
- ④ **Accurately Calculates Flow Rate**
- ④ **35-45 CFM**
- ④ **LCD Display**
- ④ **Made In USA**

General System Specifications

Particulate Size: TSP, PM10, PM2.5
EPA Designation: 40 CFR Part 50 Appendix B
Flow Controller: PLUS Technology
Motor Style: Brush or Brushless Style Motor Assembly
Timer: Programmable Digital
Elapsed Time Indicator: Digital, Hours and Tenths
Flow Range: 35-45 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 (TSP)

TE-5170VFC+, 110 Volt 60 Hertz, 8 Amps
 TE-5170VFC+X, 220 Volt 50 Hertz 4 Amps
 TE-5170VFC+XZ, 220 Volts 60 Hertz, 4 Amps

Brushless Style (TSP)

TE-5170VFC+BL, 110 Volt 60 Hertz, 8 Amps
 TE-5170VFC+-BLX, 220 Volt 50/60 Hertz 4 Amps

Brush Style (PM10)

TE-6070VFC+, 110 Volt 60 Hertz, 8 Amps
 TE-6070VFC+X, 220 Volt 50 Hertz 4 Amps
 TE-5170VFC+XZ, 220 Volts 60 Hertz, 4 Amps

Brushless Style (PM10)

TE-6070VFC+BL, 110 Volt 60 Hertz, 8 Amps
 TE-6070VFC+-BLX, 220 Volt 50/60 Hertz 4 Amps

Brush Style (PM2.5)

TE-6070VFC+-2.5HVS, 110 Volt 60 Hertz, 8 Amps
 TE-6070VFC+X-2.5HVS, 220 Volt 50 Hertz 4 Amps
 TE-5170VFC+XZ-2.5HVS, 220 Volts 60 Hertz, 4 Amps

Brushless Style (PM2.5)

TE-6070VFC+BL-2.5HVS, 110 Volt 60 Hertz, 8 Amps
 TE-6070VFC+-BLX-2.5HVS, 220 Volt 50/60 Hertz 4 Amps

Optional Equipment

TE-G653 8" x 10" Glass Fiber Filters
 TE-QMA 8" x 10" Quartz Fiber Filters
 TE-33392 Motor Brush Set (110volt)
 TE-33378 Motor Brush Set (220volt)
 TE-115923 Replacement Brush Motor (110volt)
 TE-116111 Replacement Brush Motor (220volt)
 TE-117416 Replacement Brushless Motor (220 volt)

Calibration Equipment

TE-5028 -HIVOL Calibration Kit

Physical Specifications

Weight: 75lbs, Shelter
 65lbs, Inlet

Shipping Dimensions: 48"W x 20"L x 20" H, Shelter
 19"W x 19"L x 20"H, Lid (TSP)
 32 "W x 32"L x 26"H, Inlet