



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.

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 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