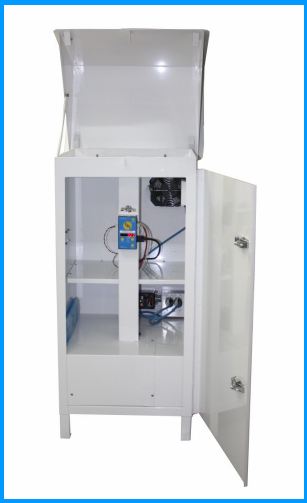
F&J SPECIALTY PRODUCTS, INC.

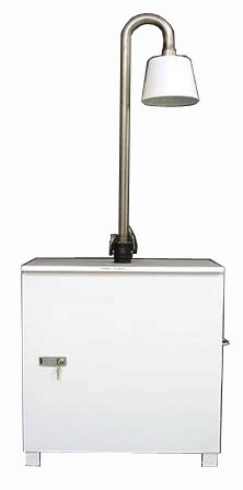
The Nucleus of Quality Air Monitoring Programs

Digital Flow Meter Fixed Station
High Volume Air Samplers

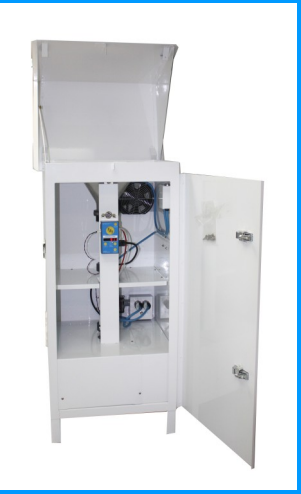
100 — 120 VAC



DF-604DT



DF-804DT



DF-60810DT

DF-PM10DT

DF-PM2.5DT

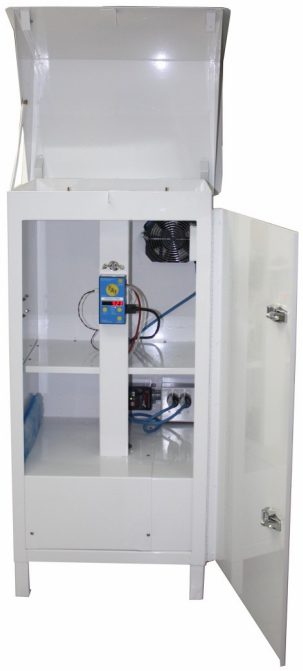
DF-60810DT-HSI

Rev: 23 June 2025

Tel: 352.680.1177 fandj@fjspecialty.com www.fjspecialty.com

DIGITAL AIR MONITORING SYSTEM
F&J MODEL DF-604DT

NOTABLE FEATURES:



- Display in English or metric units set at factory
- Choices of flow/volume units:
  sccm scc
  SLPM SL
  SCMH SCM
  SCFM SCF
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 100 – 120 VAC, 50/60Hz; single phase

Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 5 and 50 CFM (141 and 1415 LPM). Filter holder is a 102 mm (4 inch) diameter standard.

Technology: Microprocessor controlled state of the art electronics

Operating Temperature Range: -31ºF* to 122ºF (-35ºC* to 50ºC)
* warm start/continuous operation

Operating Relative Humidity: 0 – 95% RH

Typical Flow Rate Range: 5 – 50 CFM (141 to 1415 LPM)
(Depending on filter paper dimensions and air resistance).

Motor: Brushless: 1.5 H.P. (1100 Watt) motor with electronic motor speed control
Power: 100-120VAC; 50/60Hz; 4 amperes; single phase.
Housing: Powder coat painted aluminum Locking hinged cover
Removable hinged cover Locking swing door with key

Dimensions: 146H × 54,6W × 54,6 cm D (57.5”H × 21.5”W × 21.5”D)
Weight: Approximately 44,5 kg (98 lbs.)
Shipping Weight: Approximately 68,2 kg (150 lbs.)
Installation Category: Pollution Degree 3
Enclosure Rating: IPX3

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the preset STP flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 4.0% of setting. The microprocessor computes the STP flow rate by correcting for temperature and pressure.

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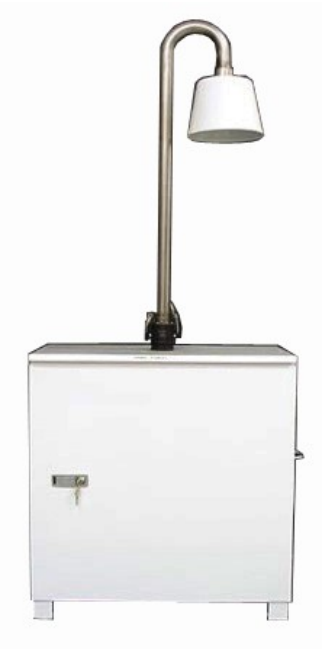
DIGITAL AIR MONITORING SYSTEM
F&J MODEL DF-804DT

NOTABLE FEATURES:

- Display in English or metric units set at factory
- Choices of flow/volume units:
  sccm scc
  SLPM SL
  SCMH SCM
  SCFM SCF
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 100 – 120 VAC, 50/60Hz; single phase



Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 5 and 50 CFM (141 and 1415 LPM). Filter holder is a 102 mm (4 inch) diameter standard.

Technology:	Microprocessor controlled state of the art electronics
Operating Temperature Range:	-31ºF* to 122ºF (-35ºC* to 50ºC) * warm start/continuous operation
Operating Relative Humidity:	0 – 95% RH
Typical Flow Rate Range:	5 – 50 CFM (141 to 1415 LPM) (Depending on filter paper dimensions and air resistance).

Motor:	Brushless: 1.5 H.P. (1100 Watt) motor with electronic motor speed control	
Power:	100-120 VAC; 50/60Hz; 4 amperes; single phase.	
Housing:	Powder coat painted aluminum	Locking hinged cover
	Removable hinged cover	Locking swing door with key
Dimensions:	66H × 67W × 41 cm D	(26”H × 26.5”W × 16.5”D)
Noise Level:	Average dB 83.5 @ 1 meter	
Weight:	Approximately 27,2 kg	(60 lbs.)
Shipping Weight:	Approximately 45,5 kg	(100 lbs.)
Installation Category:	Pollution Degree 3	
Enclosure Rating:	IPX3	

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the preset STP flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 4.0% of setting. The microprocessor computes the STP flow rate by correcting for temperature and pressure.

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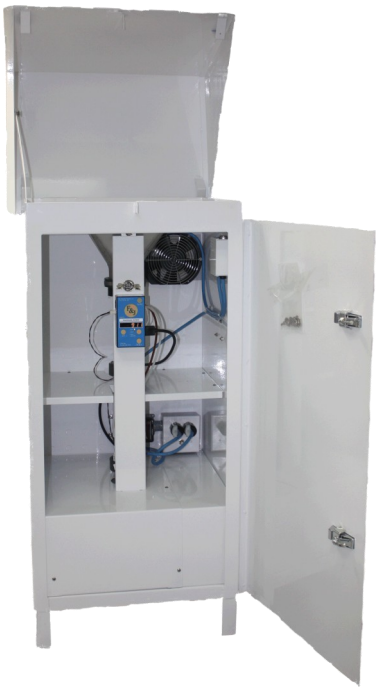
DIGITAL AIR MONITORING SYSTEM
F&J MODEL DF-60810DT

NOTABLE FEATURES:

- Display in English or metric units set at factory
- Choices of flow/volume units:
  sccm scc
  SLPM SL
  SCMH SCM
  SCFM SCF
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 100 – 120 VAC, 50/60Hz; single phase



Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 20 and 70 CFM (560 and 1980 LPM). Filter holder is a 20,3×25,4 cm (8"×10) diameter standard.

Technology:	Microprocessor controlled state of the art electronics	
Operating Temperature Range:	0ºF* to 122ºF * warm start/continuous operation	(-18ºC* to 50ºC)
Operating Relative Humidity:	0 – 95% RH	
Typical Flow Rate Range:	20 – 70 CFM (Depending on filter paper dimensions and air resistance).	(560 to 1980 LPM)

Motor:	Brushless: 1.5 H.P. (1100 Watt) motor with electronic motor speed control	
Power:	100-120VAC; 50/60Hz; 4 amperes; single phase.	
Housing:	Powder coat painted aluminum Removable hinged cover	Locking hinged cover Locking swing door with key
Dimensions:	57.5"H × 21.5"W × 21.5"D	(146 H × 54,6 W × 54,6 cm D)
Noise Level:	~81 dB average @ 1 meter	
Weight:	Approximately 44,5 kg	(98 lbs.)
Shipping Weight:	Approximately 68,2 kg	(150 lbs.)
Installation Category:	Pollution Degree 3	
Enclosure Rating:	IPX3	

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the preset STP flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 4.0% of setting. The microprocessor computes the STP flow rate by correcting for temperature and pressure.

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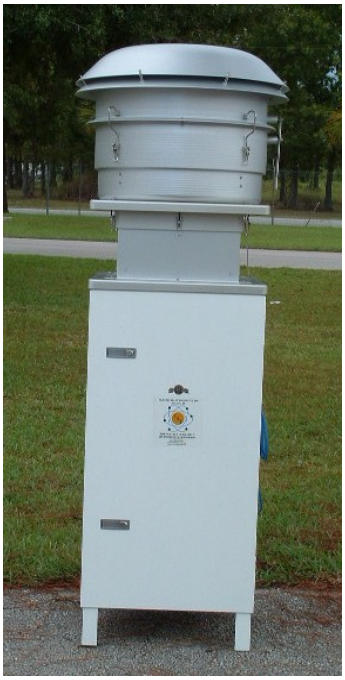
PM-10 DIGITAL AIR MONITORING SYSTEM
F&J MODEL DF-PM10DT



NOTABLE FEATURES:

- Size selective inlet (<10 micron cut size)
- Display in English or metric units set at factory
- Choices of flow/volume units:
  SLPM SL
  SCMH SCM
  SCFM SCF
- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flow rate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure
- Elapsed time meter
- Standard 8"×10" (20.3 cm×25.4cm) filter holder
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable down-load frequency for real-time data
- 100 – 120 VAC, 50/60Hz; single phase

Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set to a maximum of ~100 CFM (~170 m^3/hr). Filter holder is a 20.3×25.4 cm (8"×10") diameter standard.

Technology: Microprocessor controlled state-of-the-art electronics

Operating Temperature Range: -20ºF to 122ºF (-29ºC to 50ºC)

Typical Flow Rate Range: ~100 CFM (~170 m^3/hr)
(Depending on filter paper and air resistance)

Motor: Brushless: 1.5 H.P. (1100 Watt) motor with electronic motor speed control

Power: 100-120VAC; 50/60Hz; 25 amperes; single phase.

Housing: Powder coat painted aluminum Locking swing door with key

Dimensions: 74.5"H x 28"W x 28"D (186 cm H × 71.1cm W × 71.1cm Depth)

Weight: Approximately 138 lbs. (62.7 kg)

Shipping Weight: Approximately 190 lbs. (86.4 kg)

Installation Category: Pollution Degree 3

Enclosure Rating: IPX3

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the preset STP flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 4.0% of setting. The microprocessor computes the STP flow rate by correcting for temperature and pressure of the actual flow rate to one of four user selectable reference T and P standards.

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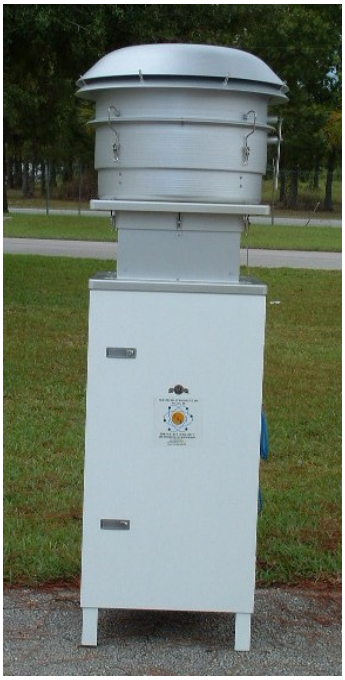
PM-2.5 DIGITAL AIR MONITORING SYSTEM
F&J MODEL DF-PM2.5DT



NOTABLE FEATURES:

- Size selective inlet (<10 micron cut size)
- Display in English or metric units set at factory
- Choices of flow/volume units:
  SLPM SL
  SCMH SCM
  SCFM SCF
- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flow rate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure
- Elapsed time meter
- Standard 8"×10" (20.3 cm×25.4cm) filter holder
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable down-load frequency for real-time data
- 100 – 120 VAC, 50/60Hz; single phase

Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set to a maximum of ~100 CFM (~170 m^3/hr). Filter holder is a 20.3×25.4 cm (8"×10") diameter standard.

Technology: Microprocessor controlled state-of-the-art electronics

Operating Temperature Range: -20ºF to 122ºF (-29ºC to 50ºC)

Typical Flow Rate Range: ~100 CFM (~170 m^3/hr)
(Depending on filter paper and air resistance)

Motor: Brushless: 1.5 H.P. (1100 Watt) motor with electronic motor speed control

Power: 100-120VAC; 50/60Hz; 25 amperes; single phase.

Housing: Powder coat painted aluminum Locking swing door with key

Dimensions: 74.5"H x 28"W x 28"D (186 cm H × 71.1cm W × 71.1cm Depth)

Weight: Approximately 138 lbs. (62.7 kg)

Shipping Weight: Approximately 190 lbs. (86.4 kg)

Installation Category: Pollution Degree 3

Enclosure Rating: IPX3

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the preset STP flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 4.0% of setting. The microprocessor computes the STP flow rate by correcting for temperature and pressure of the actual flow rate to one of four user selectable reference T and P standards.

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DIGITAL FLOW METER AIR SAMPLING SYSTEM
F&J MODEL DF-60810DT-HSI

NOTABLE FEATURES:

- Precision machined DP flow sensor
- Omni-directional hemispherical sample inlet
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 100-120VAC; 50/60Hz, single phase

Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 30 and 200 m^3/hr (18 – 117 CFM). The standard filter holder has the dimensions 8”×10” (20,3×25,4 cm).

Technology: Microprocessor controlled state of the art electronics

Operating Temperature Range: -20ºF to 122ºF (-29ºC to 50ºC)

Typical Flow Rate Range:* 30 to 200 m^3/hr (18 – 117 CFM)
(Depending on filter paper dimensions and air resistance)
* Approximate value for FP810M glass fiber filter media

Ultimate Vacuum: 22.2 kPa (89.21 inches H_2O)

Motor: Brushless: 1.5H.P. (1100 Watt) motor with electronic motor speed control

Power Requirements: 100-120VAC; 50/60Hz; 10 amperes; single phase.

Housing: Powder coat painted aluminum; Removable hinged sample inlet; Locking hinged cover; Locking swing door with key

Dimensions: 57.5”H × 21.5”W × 21.5”D (146H × 54,6W × 54,6 cm D)

Weight: Approximately 130 lbs. (59 kg)
Shipping Weight: Approximately 180 lbs. (81,8 kg)

Installation Category: Pollution Degree 3

Enclosure Rating: IPX3

Automatic Flow Control:
The system microprocessor monitors flow rate relative to the operator selectable preset Reference T and P corrected flow rate established during the setup procedure and electronically adjusts the electronic motor speed adjustment, if necessary, to maintain the flow within ± 3.0% of setting. The microprocessor computes the Reference flow rate by correcting the measured values of temperature and pressure to the reference values.

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F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

PRODUCT PROFILE

Air Sampling Systems

- High Volume Air Samplers
  - — Portable Grab Samplers
  - — Environmental Systems
  - — Enzyme Dust Samplers
  - — PM10 Systems
- Continuous Air Samplers
  - — Environmental Systems
  - — Portable
  - — Fixed Station
- Personal Air Samplers
- Emergency Response DC Powered Air Sampling Systems

Filter Paper

- Glass Fiber
- Cellulose
- Membrane
- Quartz

Filter Holders

- Open face
- In-Line
- PAS Filter Holders
- Materials
  - — Plastic
  - — Aluminum
  - — Stainless Steel

Radon Detection Devices

- 2-Day Passive Charcoal Canisters
- 7-Day Passive Charcoal Canisters
- Continuous Radon Monitors

Tritium Detection Systems

- Portable and Fixed Station Collection Systems utilizing Silica Gel or Molecular Sieve Absorbents
- Continuous Tritium Monitors

New Products

- Global Air Sampling Systems
- Digital Flowmeter Air Samplers
- C-14 Collection Systems
- ELITE DIGITAL LIGHT (EDL) Air Samplers
- Isokinetic Air Sampling Systems
- MEGA High Volume Air Samplers
- ULTRA High Volume (CTBTO) Air Samplers
- JUNIOR CTBTO Air Samplers

Radioiodine Collection Cartridges

- TEDA Impregnated Charcoal
- Silver Zeolite
- Custom Cartridges
- Bulk Silver Zeolite

Air Flow Calibrators

- World Calibrator Series
- Compact Digital V.2 Series
- Mini-Calibrator

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