

F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

DIGITAL FLOW METER LOW VOLUME AIR SAMPLERS

100 — 120 VAC



DF-1



DF-28B



DF-100



DF-100HD-XX

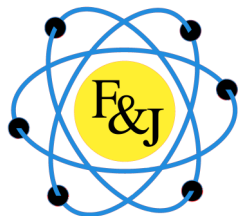


DF-22



DF-14M

Rev: 16 July 2018

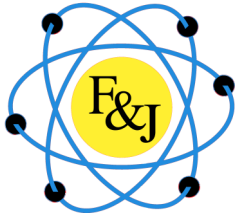


F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

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F&J SPECIALTY PRODUCTS, INC. *The Nucleus of Quality Air Monitoring Programs*

Digital Flow Meter Air Sampler Features

Operator Selectable Options:

Shut off Type

On Time 0 min to 168 hours

On Volume 0 to 9.99×10^{99}

RS232 Output Frequency 1/sec, 1/min, 1/6min, 1/hr

Automatic Flow Control: Operator selectable within the instrument's operating flow range

Selection of Reference T and P or Ambient flow reporting conditions

Factory Settable Options:

Flow/Volume units sccm/scc, SLPM/SL, SCFM/SCF, sm³/hr, sm³/min

Temperature units °C, °F

Pressure units in.Hg, mmHg, kPa

Reference Temperature 0°C, 20°C, 70°F, 25°C

Reference Pressure 29.92 inHg (760 mmHg)

Display Dimming Function On or Off

Auto Shut-off Function On or Off

Flow Control On or Off

Sampling Mode Volumetric

Gas Type Air

Language Options for Label English, French

DIGITAL FLOW METER LOW VOLUME AIR SAMPLER

F&J MODEL DF-1

NOTABLE FEATURES:

- Bright LED display
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0°C, 760 mmHg
Normal T and P	20°C, 760 mmHg
Modified Normal T and P	21,1°(70°F), 760mmHg
Standard Ambient T and P	25°C, 760 mmHg
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Storage of elapsed time and volume in the event of power outage
- Auto Shut-off on time or volume
- Choices of flow/volume units:

SLPM	SL
SCMH	SCM
SCFM	SCF
- Display in English or metric units set at factory
- State of the Art microprocessor electronics
- Auto zero calibration feature of flow sensor
- Flow rate accuracy within $\pm 4.0\%$ F.S.
- 100 – 120 VAC, 50/60Hz; single phase



GENERAL DESCRIPTION:

The Model DF-1 portable air sampling system with a digital flowmeter is a low-volume air sampler consisting of oil-less, carbon vane vacuum pump, with a mechanical constant air flow regulator for use where a nearly constant air flow is desirable. The regulator holds a constant pressure drop across an in-line orifice by varying the flow through a bypass valve into the pump. This system allows the pump to work at a minimum pressure drop at all times, permitting it to run cooler, thus extending its service life. The oil-less pump requires no lubrication to maintain optimal efficiency during its service life. The pump is mounted on a base with four rubber feet. A handle is provided on the chassis to facilitate transportation.

The DF-1 Portable Air Sampling System is designed for continuous indoor use. Please consult the product specifications for the design temperature range and the installation category. Standard product displays flow rate, elapsed time and totalized volume by operator selection.

SPECIFICATIONS:

PUMP TYPE: Oil-less, carbon vane 1/4 HP, 50/60 Hz, 1 PH
MAXIMUM CAPACITY: 4 CFM (115 LPM) at 0" Hg Pressure drop
ULTIMATE VACUUM: 25" (635 mm) Hg at sea level
POWER REQUIREMENTS: 100 – 120VAC; 50/60 Hz; 6 amperes, single phase
CIRCUIT BREAKER PROTECTION: 10 amperes
ELECTRICAL CORD: All-temperature, 3-wire, 14 gauge
THERMAL OVERLOAD PROTECTION: Furnished as an integral part of the motor
CONSTANT AIRFLOW REGULATOR: Aluminum
 Construction with silicone diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM)
HANDLE: Black Painted Steel
DIMENSIONS: 16"L×7 1/2"W×13 1/4"H (40,6×19×33,6 cm)
NOISE LEVEL: Average dB 67.0 @ 1 meter
WEIGHT: 36 lbs. (16,36 kg)
INSTALLATION CATEGORY: Pollution Degree 2
OPERATING TEMPERATURE RANGE: 32- 104°F (0 - 40°C)

ELECTRONIC SPECIFICATIONS:

MEASUREMENT ACCURACY:

Air flow ± 4.0% of full scale
 Temperature ± 2°F (1.1°C)
 Barometric Pressure 2% over measured range

CALIBRATION: Factory calibration 1 per year

ON-BOARD CALCULATIONS:

- Flow calculation from differential pressure value using best fit curve method
- Flow correction for standard temperature and pressure
- Auto-zero correction utilizing electro-pneumatic method to compensate for offset and drift (automatic, once every minute)

OPTIONS:

- Data Storage Device (P/N: 232FCDS)
- 2+ GB Secure Digital Card (P/N: 372239)
- Flash card Reader (P/N: SDDR-199-A20)

COMBINATION FILTER HOLDER:

Durable plastic combination filter holders for F&J Model B, C or M charcoal cartridges and 47 mm, 2" or 50 mm diameter particulate filter paper are available. All models have quick-disconnect function.

PUMP CURVE

Top line on curve is for 60-cycle performance
 Bottom line on curve is for 50-cycle performance

1425 RPM @ 50Hz
 1725 RPM @ 60Hz

STANDARD COMBINATION FILTER HOLDERS:

<u>FILTER HOLDER MODEL</u>	<u>CHARCOAL CARTRIDGE DIMENSIONS</u>	<u>PARTICULATE PAPER DIAMETER</u>
FJ-05P	F&J Model B	2" or 50 mm
FJ-21P	F&J Model C	2" or 50 mm
FJ-35P	F&J Model B	47 mm
FJ-46P	F&J Model C	47 mm
FJ-51P	F&J Model M	2" or 50 mm
FJ-53P	F&J Model M	47 mm

DIGITAL FLOW METER LOW VOLUME AIR SAMPLER F&J MODEL DF-28B

NOTABLE FEATURES:

- Display in English or metric units set at factory
- Choices of flow/volume units:
sccm scc
SLPM SL
SCMH SCM
SCFM SCF
- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
Classical STP 0°C, 1 Atm
Normal T and P 20°C, 1 Atm
Modified Normal T and P 70°F, 1 Atm
Standard Ambient T and P 25°C, 1 Atm
- Reference or ambient flow/volume reporting is operator selectable
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm 4.0\%$ F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 100-120VAC, 50/60Hz; single phase



GENERAL DESCRIPTION:

The Model DF-28B environmental air sampling system with digital flowmeter is a low volume air sampler consisting of a 1/4 H.P. oil-less carbon vane vacuum pump with a constant air flow regulator for use where a nearly constant air flow is desirable. The regulator holds a constant pressure drop across an in-line orifice by varying the flow through a bypass valve into the pump. This system allows the pump to work at a minimum pressure drop at all times, permitting it to run cooler; thus extending its service life. The oil-less pump requires no lubrication to maintain optimal efficiency during its service life. The pump is mounted on a base plate within a weather resistant aluminum environmental enclosure having four rubber feet. Handles are provided on the enclosure to facilitate transportation. The digital flowmeter has a large bright LED display.

The DF-28B is designed for continuous indoor or outdoor use. This unit can be adapted for tripod mounting if desired. Please consult the product specifications for the design temperature range and the installation category.

The typical operating flow range is 0.5 to 4 CFM (14 – 115 LPM).

SPECIFICATIONS:

PUMP TYPE:	Oil-less, carbon vane 1/4 HP, 50/60 Hz, 1 PH
MAXIMUM CAPACITY:	4 CFM (115 LPM) at 0" Hg Pressure drop
ULTIMATE VACUUM:	25" Hg (635 mm) Hg at sea level
POWER REQUIREMENTS:	100 – 120VAC; 50/60 Hz; 6 amperes; single phase
CIRCUIT BREAKER PROTECTION:	10 amperes
ELECTRICAL CORD:	All temperature, 3-wire, 14 gauge
THERMAL OVERLOAD PROTECTION:	Furnished as an integral part of the motor.
CONSTANT AIRFLOW REGULATOR:	Aluminum construction with silicone diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM)
HANDLE:	Steel
DIMENSIONS:	19"L × 12 ½"W × 13 ¼"H (48,3L × 31,75W × 33,7 cm H)
NOISE LEVEL:	Average dB 64.3 @ 1 meter
WEIGHT:	59 lbs. (26,8 kg)
OPERATING TEMPERATURES:	0°-122°F (-18°- 50°C)
INSTALLATION CATEGORY:	Pollution Degree 3
ENCLOSURE RATING:	IPX3

ELECTRONIC SPECIFICATIONS:**MEASUREMENT ACCURACY**

Air flow:	± 4% of full scale
Temperature:	± 2.0°F (1.1°C)
Barometric Pressure:	2% over measured range

CALIBRATION:	Factory calibration once per year
COMMUNICATIONS INTERFACE:	RS-232

ON-BOARD CALCULATIONS

- Flow calculation from differential pressure value using best fit curve method
- Flow correction for standard temperature and pressure
- Auto-zero correction utilizing Electro-pneumatic method to compensate for offset and drift (automatic, once every minute)

PUMP CURVE

Top line on curve is for 60-cycle performance
Bottom line on curve is for 50-cycle performance

1425 RPM @ 50Hz
1725 RPM @ 60Hz

DIGITAL FLOW METER LOW VOLUME AIR SAMPLER F&J MODEL DF-100

NOTABLE FEATURES:

- Display in English or metric units set at factory
- Choices of flow/volume units:
sccm scc
SLPM SL
SCMH SCM
SCFM SCF
- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
Classical STP 0°C, 760 mmHg
Normal T and P 20°C, 760 mmHg
Modified Normal T and P 21,1°C, 760 mmHg
Standard Ambient T and P 25°C, 760 mmHg
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm 4.0\%$ F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 100-120VAC, 50/60Hz; single phase



GENERAL DESCRIPTION:

The DF-100 Series portable flowmeter upgrade kits are designed to upgrade existing air sampling systems utilizing motors of 1/3 HP or less. The DF-100 units are connected in-line between the pump inlet and the filter holder. The DF-100 Series upgrade eliminates the need to engage in expensive conversions of equipment or the need to purchase new air sampling systems.

The typical operating flow ranges vary from 1 CFM to 9 CFM (30 – 255 LPM). Custom higher flow ranges with exterior mounted flow sensors are available upon request.

OPTIONS:

Data Storage Device	(P/N: 232FCDS)
2+ GB Secure Digital Card	(P/N: 372239)
Flashcard Reader	(P/N: SDDR-199-A20)

SPECIFICATIONS:

Flow Range Available:	Model	Flow Range	
	100–120 VAC	(CFM)	(LPM)
	DF-100-30L	0.1 – 1	3 – 30
	DF-100-60L	0.2 – 2	6 – 60
	DF-100-115L	0.5 – 4	14 – 115
	DF-100-250L	1 – 9	30 – 255

Power Requirements:
DF-100 Series: 100 – 120 VAC, 47-63 Hz; 0.3 amperes maximum

Maximum Motor Rating:	Model	HP	FLA
	DF-100	1/3	7.20

Fuse Protection (for plugged in sample): 8 amp, slow blow

Electrical Cord: 3 wire, 16 gauge

Dimensions: 8" L x 8" W x 12" H. (20,3L x 20,3W x 30,5 cm H)

Weight: 4.1 lbs. (1864 gms.)

Installation Category: Pollution Degree 2

ELECTRONIC SPECIFICATIONS:

Measurement Accuracy:	Air flow	± 4% of full scale
	Temperature	± 2.0° F (1.1° C)
	Barometric Pressure	2% over measured range

Operating Temperatures: 0° to 122° F (-17° to 50° C)

Storage Temperature: 0° to 158° F (-17° to 70° C)

Calibration: Calibration-Verification once per year

Communications Interface: RS-232 (comma delimited text file)

Display: LED; 6 characters

On-Board Calculations:

- Flow calculation from differential pressure value using best-fit curve method.
- Flow correction for standard temperature and pressure
- Auto-zero correction utilizing electro-pneumatic method to compensate for offset and drift (automatic once every minute).

PORTABLE HEAVY DUTY DIGITAL FLOW METER KIT for ENVIRONMENTAL STYLE AIR SAMPLERS

F&J MODEL DF-100HD-XX

NOTABLE FEATURES:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF
- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0°C, 760 mmHg
Normal T and P	20°C, 760 mmHg
Modified Normal T and P	21,1°C, 760 mmHg
Standard Ambient T and P	25°C, 760 mmHg
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm 4.0\%$ F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Auto Shut-off on time or volume
- 100-120VAC, 50/60Hz; single phase



GENERAL DESCRIPTION:

The DF-100HD Series heavy duty portable flow meter upgrade kits are designed to upgrade existing low volume analog air sampling systems utilizing motors of 1/3 HP or less. The DF-100HD Series units are connected in-line between the pump inlet and the filter holder. The DF-100HD Series upgrade eliminates the need to engage in expensive conversions of equipment or the need to purchase new air sampling systems.

The typical maximum operating flow ranges vary from 1 CFM to 9 CFM (30 – 255 LPM). Custom higher flow ranges with exterior mounted flow sensors are available upon request.

OPTIONS:

Data Storage Device	(P/N: 232FCDS)
2+ GB Secure Digital Card	(P/N: 372239)
Flashcard Reader	(P/N: SDDR-199-A20)

SPECIFICATIONS:**Flow Range Available:**

Model 100–120 VAC	Flow Range	
	(CFM)	(LPM)
DF-100HD-01	0.1 – 1	3 – 30
DF-100HD-02	0.2 – 2	6 – 60
DF-100HD-04	0.5 – 4	14 – 115
DF-100HD-09	1 – 9	30 – 255
DF-100HD-14	2 – 14	56 – 400

Power Requirements:

DF-100HD Series: 100 – 120 VAC, 47-63 Hz; 0.3 amperes maximum

Maximum Motor Rating:

Model	HP	FLA
DF-100HD	1/3	7.20

Fuse Protection (for plugged in sample): 8 amp, slow blow

Electrical Cord: 3 wire, 16 gauge

Dimensions: 10" L x 6" W x 10" H. (25,4L × 15,23W × 25,4 cm H)

Weight: 6.4 lbs. (2902 gms.)

Installation Category: Pollution Degree 2

ELECTRONIC SPECIFICATIONS:

Measurement Accuracy:

Air flow	± 4% of full scale
Temperature	± 2.0° F (1.1° C)
Barometric Pressure	2% over measured range

Operating Temperatures: 0° to 122° F (-17° to 50° C)

Storage Temperature: 0° to 158° F (-17° to 70° C)

Calibration: Calibration-Verification once per year

Communications Interface: RS-232 (comma delimited text file)

Display: LED; 6 characters

On-Board Calculations:

- Flow calculation from differential pressure value using best-fit curve method.
- Flow correction for standard temperature and pressure
- Auto-zero correction utilizing electro-pneumatic method to compensate for offset and drift (automatic once every minute).

ENVIRONMENTAL DIGITAL FLOW METER LOW VOLUME AIR SAMPLER F&J MODEL DF-22

NOTABLE FEATURES:

- Bright LED Display
- Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)
 1. Classical STP 0°C, 1 Atm
 2. Normal T and P 20°C, 1 Atm
 3. Modified Normal T and P 21.1°C (70°F), 1 Atm or
 4. Standard Ambient T and P 25°C, 1 Atm
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimited text string at various operator selectable download frequencies
- Storage of elapsed time and volume in the event of power outage
- Detection of zero flow condition after return of power to pause elapsed time until flow returns
- Auto shut-off on time or volume
- Selectable engineering units for flow and volume (to be set at factory)

<u>FLOW</u>	<u>VOLUME</u>
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF



GENERAL DESCRIPTION:

The DF-22 environmental air sampling system with digital flowmeter is a low-volume air sampler consisting of an oil-less, carbon vane vacuum pump, with a constant air flow regulator for use where a nearly constant air flow is desirable. The regulator holds a constant pressure drop across an in-line orifice, by varying the flow through a bypass valve into the pump. This system allows the pump to work at a minimum pressure drop at all times, permitting it to run cooler, thus extending its service life. The oil-less pump requires no lubrication to maintain optimal efficiency during its service life. The pump is mounted on a removable base plate, which can be secured within the GFCI protected aluminum environmental weatherhouse, Model WH-3 having an enclosure rating of IPX3. The digital flowmeter has a large bright LED display.

The DF-22 environmental air sampling system is designed for continuous outdoor use. Please consult the product specifications for the design temperature range and the installation category. Standard product displays flow rate, elapsed time and totalized volume by operator selection.

The typical operating range is 0.5 to 4 CFM (14 – 115 LPM).

SPECIFICATIONS-----:

PUMP TYPE:	Oil-less, carbon vane, ¼ HP, 1725 RPM @ 60 Hz
MAXIMUM CAPACITY:	4 CFM (115 LPM) at 0" Hg Pressure drop.
ULTIMATE VACUUM:	25"Hg (635 mm) Hg at sea level.
POWER REQUIREMENTS:	100-120VAC; 50/60 Hz @ 6 amperes; single phase
CIRCUIT BREAKER PROTECTION:	10 Amperes
ELECTRICAL CORD:	All-temperature, 3-wire, 14 gauge
THERMAL OVERLOAD PROTECTION:	Furnished as an integral part of the motor
CONSTANT AIRFLOW REGULATOR:	Aluminum construction with silicone diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM).
HANDLES:	2-steel, on base plate
DIMENSIONS:	32"L × 26"W × 48 ¼" with Legs (81.3 × 66.0 × 122.6 cm)
WEIGHT:	112 lbs. (51 kg)
OPERATING TEMPERATURE RANGE:	32°-104° F (0°- 40° C)
INSTALLATION CATEGORY:	Pollution Degree 3
ENCLOSURE RATING:	IPX3
VOLUME TOTALIZER:	Volume totalizations corrected to STP. Units are factory set.

ELECTRONIC SPECIFICATIONS:

MEASUREMENT ACCURACY:

Air flow	+/- 4.0% of full scale
Temperature	+/- 2° F (1.1° C)
Barometric Pressure	2 % over measured range

CALIBRATION: Factory calibration 1 per year

COMMUNICATIONS INTERFACE: RS-232

ON-BOARD CALCULATIONS:

- Flow calculation from differential pressure value using best-fit curve method.
- Flow correction for standard temperature and pressure
- Auto-zero correction utilizing electro-pneumatic method to compensate for offset and drift (automatic, once every minute).

OPTIONS:

SAMPLING HEAD: External gooseneck sampling head mounted to weatherhouse

COMBINATION FILTER HOLDER: Durable plastic combination filter holders for F&J Model B, C or M charcoal cartridges and 47 mm, 2" or 50 mm diameter particulate filter paper are available. All models have quick-disconnect function.

STANDARD COMBINATION FILTER HOLDERS:

FILTER HOLDER MODEL	CHARCOAL CARTRIDGE DIMENSIONS	PARTICULATE PAPER DIAMETER
FJ-05P	F&J Model B	2" or 50 mm
FJ-21P	F&J Model C	2" or 50 mm
FJ-35P	F&J Model B	47 mm
FJ-46P	F&J Model C	47 mm
FJ-51P	F&J Model M	2" or 50 mm
FJ-53P	F&J Model M	47 mm

MOBILE DIGITAL FLOW METER LOW VOLUME AIR SAMPLER

F&J MODEL DF-14M

NOTABLE FEATURES:

- Bright LED display
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0°C, 760 mmHg
Normal T and P	20°C, 760 mmHg
Modified Normal T and P	21°C, 760mmHg
Standard Ambient T and P	25°C, 760 mmHg
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Storage of elapsed time and volume in the event of power outage
- Auto Shut-off on time or volume
- Choices of flow/volume units:

SLPM	SL
SCMH	SCM
SCFM	SCF
- Display in English or metric units set at factory
- State of the Art microprocessor electronics
- Auto zero calibration feature of flow sensor
- Flow rate accuracy within $\pm 4\%$ F.S.
- 100 – 120 VAC, 50/60Hz; single phase



GENERAL DESCRIPTION:

The Model DF-14M cart mounted mobile low volume air sampler with digital flow meter has an adjustable, aluminum sampling gooseneck. The adjustable gooseneck permits sampling at heights varying from 4' to 7' above floor level. Model DF-14M contains state of the art microprocessor electronics, which provides for corrected flow rate measurements, volume totalizations, and an RS232 communications port. It has a large bright LED display.

The DF-14M Air Sampler includes an oil-less, carbon vane vacuum pump with a constant airflow regulator for use where a nearly constant airflow is desirable. The regulator holds a constant pressure drop across an in-line orifice by varying the flow through a bypass valve into the pump. This system allows the pump to work at a minimum pressure drop at all times, permitting it to run cooler, thus extending its lifetime. The oil-less pump requires no lubrication to maintain optimal efficiency during its service life. The pump is mounted on a mobile cart with two rubber wheels to permit mobile transportation of the unit.

The DF-14M Air Sampler is designed for indoor use.

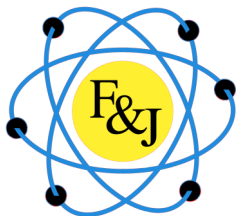
PUMP TYPE:	Oil-less, carbon vane ¼ HP, 50/60 Hz, 1 PH
MAXIMUM CAPACITY:	4 CFM (115 LPM) @ 0" Hg Pressure drop
ULTIMATE VACUUM:	25" (635 mm) Hg @ sea level
POWER REQUIREMENTS:	100-120VAC; 50/60Hz; 6 amperes, single phase
CIRCUIT BREAKER PROTECTION:	10 amps
ELECTRICAL CORD:	All temperature, 3 wire, 14 gauge
THERMAL OVERLOAD PROTECTION:	Furnished as an integral part of the motor
CONSTANT AIRFLOW REGULATOR:	Aluminum construction with silicone diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM)
DIMENSIONS:	18"L×15"W×4' – 7"H (46×38×122 - 213 cm)
NOISE LEVEL:	Average dB 70.0 @ 1 meter
WEIGHT:	67 lbs. (30,4 kg)
INSTALLATION CATEGORY:	Pollution Degree 2
OPERATING TEMP. RANGE:	32° to 104°F (0° to 40°C)
SAMPLING GOOSENECK:	Adjustable 4' to 7' (122 cm – 213 cm) sturdy aluminum
WHEELS:	8", hard rubber
ELECTRONIC SPECIFICATIONS:	
MEASUREMENT ACCURACY:	
Air flow	± 4% of full scale
Temperature	± 2°F (1,1°C)
Barometric Pressure	2% over measured range
CALIBRATION:	Factory calibration 1 per year
COMMUNICATIONS INTERFACE:	RS-232 serial port
ON-BOARD CALCULATIONS:	
Flow calculation from differential pressure value using best fit curve method	
Flow correction for standard temperature and pressure	
Auto-zero correction utilizing electro-pneumatic method to compensate for offset and drift (automatic, once every minute)	

COMBINATION FILTER HOLDERS AVAILABLE:

FILTER HOLDER MODEL #	CHARCOAL CARTRIDGE DIMENSIONS	PARTICULATE PAPER DIAMETER
FJ-05P	F&J Model B	2" or 50 mm
FJ-21P	F&J Model C	2" or 50 mm
FJ-35P	F&J Model B	47 mm
FJ-46P	F&J Model C	47 mm
FJ-51P	F&J Model M	2" or 50 mm
FJ-53P	F&J Model M	47 mm

OPTIONS:

- Data Storage Device (P/N: 232FCDS)
- 2+ GB Secure Digital Card (P/N: 372239)
- Flash card Reader (P/N: SDDR-199-A20)



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

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