F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

DIGITAL FLOW METER
LOW VOLUME AIR SAMPLERS

220 — 240 VAC

DF-1E

DF-28BE

DF-100E

DF-100HDE-XX

DF-22E

DF-14ME

Rev: 21 February 2019

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Digital Flow Meter
Low Volume Air Samplers
By
F&J SPECIALTY PRODUCTS. INC.

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DIGITAL FLOW METER
LOW VOLUME AIR SAMPLER
F&J MODEL DF-1E

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 0ºC, 1 Atm
  2. Normal T and P 20ºC, 1 Atm
  3. Modified Normal T and P 21.1ºC (70ºF), 1 Atm or
  4. Standard Ambient T and P 25ºC, 1 Atm
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimeted 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)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

Shown with Quick-disconnect and Filter Holder

CE

GENERAL DESCRIPTION:

The Model DF-1E portable air sampling system with a digital flow meter is a low-volume air sampler consisting of an 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-1E 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.

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, 1PH

MAXIMUM CAPACITY: 4 CFM (115 LPM) at 0" Hg Pressure drop

ULTIMATE VACUUM: 25" (635 mm) Hg at sea level

POWER REQUIREMENTS: 220 – 240VAC; 50/60 Hz; 6 amperes, single phase

CIRCUIT BREAKER PROTECTION: 6 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: 40,6L × 19W × 33,6 cm H (16"L × 7 ½"W × 13 ¼"H)

NOISE LEVEL: Average dB 64.5 @ 1 meter

WEIGHT: 16,36 kg (36 lbs.)

OPERATING TEMPERATURE RANGE: 32º- 104ºF (0º - 40ºC)

INSTALLATION CATEGORY: Pollution Degree 2

ELECTRONIC SPECIFICATIONS:

MEASUREMENT ACCURACY:

Air flow	± 4.0% of full scale
Temperature	± 2ºF (1,1ºC)
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)

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

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

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	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 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 ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220-240VAC, 50/60Hz; single phase

CE

GENERAL DESCRIPTION:

The Model DF-28BE environmental air sampling system with digital flow meter 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 head drop at all times by 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-28BE 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, 1725 RPM @ 60 Hz

MAXIMUM CAPACITY: 4 CFM (115LPM) at 0" Hg Pressure drop

ULTIMATE VACUUM: 25" (635 mm) Hg at sea level

POWER REQUIREMENTS: 220 – 240VAC; 50/60 Hz; 3 amperes; single phase

CIRCUIT BREAKER PROTECTION: 6 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 silicon diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM)

HANDLE: Steel

DIMENSIONS: 48,3L × 31,75W × 33,7 cm H (19"L × 12 ½"W × 13 ¼"H)

WEIGHT: 26,8 kg (59 lbs.)

ELECTRONIC SPECIFICATIONS:

MEASUREMENT ACCURACY

Air flow:	± 4.0% of full scale	
Temperature:	± 2,0ºF	(1,1ºC)
Barometric Pressure:	2% over measured range	

OPERATING TEMPERATURES: 32º-104ºF (0º-40ºC)

STORAGE TEMPERATURE: 32º-122ºF (-0º-50ºC)

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)

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

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

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	0ºC, 760 mmHg
Normal T and P	20ºC, 760 mmHg
Modified Normal T and P	21,1ºC, 760 mmHg
Standard Ambient T and P	25ºC, 760 mmHg

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220-240VAC, 50/60Hz; single phase

GENERAL DESCRIPTION:

The DF-100E Series portable flowmeter upgrade kits are designed to upgrade existing air sampling systems utilizing motors of 1/3 HP or less. The DF-100E units are connected in-line between the pump inlet and the filter holder. The DF-100E 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: 232FCDSD)
2+ GB Secure Digital Card	(P/N: 372239)
Flashcard Reader	(P/N: SDDR-199-A20)

SPECIFICATIONS:

Flow Range Available:

Model 220-240 VAC	Flow Range (CFM)	(LPM)
DF-100-30LE	0.1 – 1	3 – 30
DF-100-60LE	0.2 – 2	6 – 60
DF-100-115LE	0.5 – 4	14 – 115
DF-100-250LE	1 – 9	30 – 255

Power Requirements:
DF-100E Series: 220 – 240 VAC, 47-63 Hz; 0.2 amperes

Maximum Motor Rating:

Model	HP	FLA
DF-100E	1/3	3.24

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 ×20,3W × 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	± 2.0º F (1.1º C)
Barometric Pressure	2% over measured range

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

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

Calibration: Calibration-Verification once per year

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

Display: LED; 6 character

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-100HDE-XX

NOTABLE FEATURES:

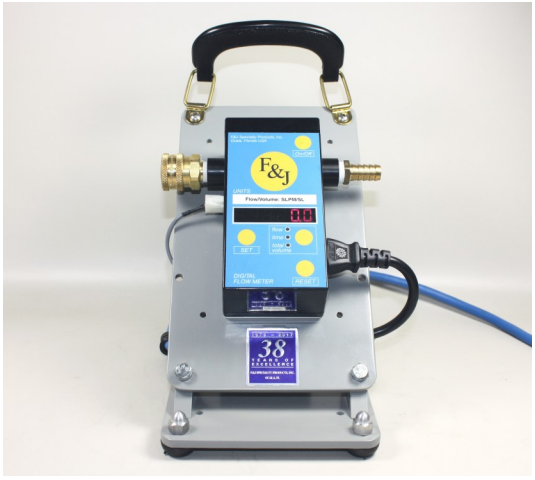
- Display in English or metric units set at factory
- Choices of flow/volume units:

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	0ºC, 760 mmHg
Normal T and P	20ºC, 760 mmHg
Modified Normal T and P	21,1ºC, 760 mmHg
Standard Ambient T and P	25ºC, 760 mmHg

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Auto Shut-off on time or volume
- 220-240VAC, 50/60Hz; single phase



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GENERAL DESCRIPTION:

The DF-100HDE 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-100HDE Series units are connected in-line between the pump inlet and the filter holder. The DF-100HDE 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: 232FCDSD)
2+ GB Secure Digital Card	(P/N: 372239)
Flashcard Reader	(P/N: SDDR-199-A20)

SPECIFICATIONS:

Flow Range Available:

Model 220-240 VAC	Flow Range (CFM)	(LPM)
DF-100HDE-01	0.1 – 1	3 – 30
DF-100HDE-02	0.2 – 2	6 – 60
DF-100HDE-04	0.5 – 4	14 – 115
DF-100HDE-09	1 – 9	30 – 255
DF-100HDE-14	2 – 14	56 – 400

Power Requirements:
DF-100HDE Series: 220 – 240 VAC, 47-63 Hz; 0.2 amperes

Maximum Motor Rating:

Model	HP	FLA
DF-100HDE	1/3	3.24

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	± 2.0º F (1.1º C)
Barometric Pressure	2% over measured range

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

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

Calibration: Calibration-Verification once per year

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

Display: LED; 6 character

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-22E

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 0ºC, 1 Atm
  2. Normal T and P 20ºC, 1 Atm
  3. Modified Normal T and P 21.1ºC (70ºF), 1 Atm or
  4. Standard Ambient T and P 25ºC, 1 Atm
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimeted 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)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM

GENERAL DESCRIPTION:

The Model DF-22E environmental air sampling system with digital flow meter 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 head 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 with the GFCI protected aluminum environmental weather-house Model WH-3, having an enclosure rating of IPX3. The digital flow meter has a large bright LED display.

The DF-22E 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, 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: 220-240VAC; 50/60 Hz @ 3 amperes; single phase

ELECTRICAL CORD: All-temperature, 3-wire, 14 gauge

FUSE PROTECTION: 6 Amperes

THERMAL OVERLOAD PROTECTION: Furnished as an integral part of the motor

CONSTANT AIRFLOW REGULATOR: Aluminum construction with silicon diaphragm; adjustable from 0,5 to 4 CFM (15-126 LPM).

HANDLES: 2-steel, on base plate

DIMENSIONS: 81,3L × 66,0W × 122,6 cm H (32”L × 26”W × 48 ¼”) with Legs

WEIGHT: 51 kg (112 lbs.)

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	+/- 2º F (1,1º C)
Barometric Pressure	2% over measured range

OPERATING TEMPERATURES: 32º-104º F (0º- 40º C)

STORAGE TEMPERATURE: 32º-122º F (0º-50º C)

CALIBRATION: Factory calibration 1 per year

OPTIONS:

SAMPLING HEAD: External gooseneck sampling head mounted to weatherhouse

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).

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 mod els have quick-disconnect function.

MOBILE DIGITAL FLOW METER
LOW VOLUME AIR SAMPLER
F&J MODEL DF-14ME

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 0ºC, 1 Atm
  2. Normal T and P 20ºC, 1 Atm
  3. Modified Normal T and P 21.1ºC (70ºF), 1 Atm or
  4. Standard Ambient T and P 25ºC, 1 Atm
- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimeted 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)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

GENERAL DESCRIPTION:

The Model DF-14ME 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 122 cm to 213 cm above floor level. Model DF-14ME 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-14ME 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 head 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 typical operating flow range is 0.5 to 4 CFM (14 to 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" (635 mm) Hg at sea level
POWER REQUIREMENTS:	220 – 240VAC, 50/60 Hz; 3 amperes; single phase
FUSE PROTECTION:	6 amperes
ELECTRICAL CORD:	All temperature, 3 wire, 16 gauge
THERMAL OVERLOAD PROTECTION:	Furnished as an integral part of the motor
CONSTANT AIRFLOW REGULATOR:	Aluminum construction with silicon diaphragm; adjustable from 0.5 to 4 CFM (14-115 LPM)
DIMENSIONS:	46L × 38W × 122 – 213 cm H (18"L × 15"W × 4' – 7'H)
INSTALLATION CATEGORY:	Pollution Degree 2
OPERATING TEMPERATURES:	32º-122ºF (0º-50ºC)
STORAGE TEMPERATURE:	32º-158ºF (0º-70ºC)
SAMPLING GOOSENECK:	Adjustable 122 cm-213 cm sturdy aluminum
WHEELS:	8", Hard rubber
WEIGHT:	30,4 kg (67 lbs.)

ELECTRONIC SPECIFICATIONS:

MEASUREMENT ACCURACY:

Air flow:	+/- 4.0% of full scale
Temperature:	+/- 2ºF (1,1ºC)
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)

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.

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, sm^3/hr, sm^3/min
Temperature units	ºC, ºF
Pressure units	in.Hg, mmHg, kPa
Reference Temperature	0ºC,20ºC,70ºF,25ºC
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

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

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