



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

EMERGENCY RESPONSE SAMPLING SYSTEM

— Digital Flow Meter Technology —
F&J Model DFCEP-75L-400-AC

NOTABLE FEATURES:

- State-of-the-Art Electronics
- Operating Modes
 - Line Power (100VAC – 250 VAC)
 - External 12 VDC Source
- Lightweight — 19 lbs. (8.6 kg)
- Maximum Flow 15 to 75 LPM Maximum; typical
- Bright OLED Display; 4 Line x 32 Characters
- Automatic Flow Control Feature
- Flowrate and Volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Auto shut-off on time or volume
- Ruggedized thick wall plastic enclosure
- Data Storage
- Hardwire or Bluetooth Download
- Brushless motor
- Data Download via Bluetooth with Optional Bluetooth Dongle for PC Device



GENERAL DESCRIPTION:

F&J Model DFCEP-75L-400-AC is a lightweight, small footprint, DC voltage powered air sampling system operable from (1) line power, or (2) auxiliary DC connector (12 – 15 VDC)

This air sampler can be utilized with the optional rain shield filter holder system for use when rain or snow conditions exist.

The automatic flow control feature with the F&J Digital Flowmeter technology provides maximum flexibility for emergency response or environmental sampling responsibilities. The set flowrate is maintained automatically in case of dust loading and does not require operator attention. The air sampler is contained in a lightweight small dimensioned enclosure which is water tight. The unit can be carried very easily by its large, rugged plastic handle.

Typical flow range is 15 - 75 SLPM (0.5 – 2.6 SCFM).

The air sampler is also equipped with internal data storage that allows user to download the sampling data as a .csv file for easy data analysis.

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DFCP-75L-400-AC Battery Powered Air Sampler Specifications

Pump Type: Low Maintenance centrifugal vacuum system

Maximum Flowrate: 75 LPM typical
with FP-47M glass fiber media

Power Source:
External – Line Power; 100VAC to 240VAC
External DC – 12-15VDC

Current Draw: 8 A maximum

Filter Holder Fitting: 1.83—12 U.N.F (Air Sampler)
1.80—12 U.N.M (Filter Holder)

Handle: Durable plastic

Weight: 16.75 lbs. (7.59 kg)

Dimensions: 16.8”L × 9.0”W × 14.0”H
(42.7 × 22.9 × 35.6 cm)

Average Noise Level: 70.3 Db @ 1m

Operating Temperature Range: 18°F to 122°F
(-10°C to 50°C)

Display: Bright LED (6 character, 1,2 cm H)

Elapsed Time: DD:HH:MM up to 168 hours

Flow Control:
Adjustable from keypad between 15-75 LPM

Flow Accuracy: ±4.0% of Full Scale

Factory Settable Reference T and P

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

OPTIONS:

- Combination Filter Holder with Rainhood
47mm Particulate / C Geometry – FJ-47RH
50mm Particulate / C Geometry – FJ-50RH
- Bluetooth Dongle for PC Device (P/N: BTDG)

Standard Combination Filter Holders Available:

FILTER HOLDER MODEL	CHARCOAL CARTRIDGE DIMENSIONS	PARTICULATE PAPER DIAMETER
FJ-19	F&J Model C	2” or 50 mm
FJ-27	F&J Model B	2” or 50 mm
FJ-34	F&J Model C	47 mm
FJ-39	F&J Model B	47 mm
FJ-52	F&J Model M	2” or 50 mm
FJ-54	F&J Model M	47 mm

Available Engineering Units for Flow and Volume:

- SLPM / SLP
- SCFM / SCF
- SCMH / SCM

Digital Flow Meter Keypad/Display

