



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

F&J EMERGENCY RESPONSE SAMPLING SYSTEM AC or DC POWERED AIR SAMPLER Digital Flow Meter Technology Model DFCEP-60L-AC

NOTABLE FEATURES:

- State-of-the-Art Electronics
- Operating Modes
 - Line Power (100VAC – 250VAC)
 - External 12VDC source
- Lightweight — ~8 lbs. (3.6 kg)
- Maximum Flow 10 to 60 LPM Maximum; typical
- Bright OLED Display; 4 lines 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
- Delayed auto start time feature (1 to 60 minutes)
- Brushless 12 VDC motor
- Internal Data Storage Downloadable as (.csv) file
- Data Download via Bluetooth with Optional Bluetooth Dongle for PC Device



**Shown with optional
filter holder FJ-34**

GENERAL DESCRIPTION:

F&J Model DFCEP-60L-AC is a lightweight, small footprint, AC/DC voltage powered air sampling system operable from (1) line power, and (2) an external 12VDC source.

The automatic flow control feature with the F&J Digital Flowmeter technology provides maximum flexibility for emergency response sampling responsibilities. The set flowrate is maintained automatically in case of dust loading and does not require operator attention. The delayed start time enables one to start at a later time.

Typical flow range is 10 to 60 SLPM (0.35 to 2.1 SCFM).

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

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DFCP-60L-AC AC/DC Air Sampler Specifications

Pump Type: High efficiency centrifugal blower

Motor: Brushless 12 VDC; 35,000 rpm

Maximum Flowrate: Typical 60 LPM
with 60 mm HE40T glass fiber media and a CTC50 charcoal cartridge

Power Source:
External – Line Power; 100VAC or 230VAC
External – 12VDC Source

Current Draw: 8.0 A maximum on DC
1.0 A maximum on AC

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

Handle: Durable metal / plastic

Weight: ~ 8 lbs. (3.6 kg)

Dimensions: 8"×6"×8" (20 × 15 × 20 cm)

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

Decibels: ~66 dBA (average) at a flow of 60 SLPM utilizing 60mm HE40T glass fiber media and a CTC50 charcoal cartridge

Display: Bright OLED ; 4 lines x 32 characters

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

Flow Control:
Adjustable from keypad between 10 to 60 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:

Bluetooth Dongle for PC Device (P/N: DSD-BT)

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 / SL
SCFM / SCF
SCMH / SCM

Digital Flowmeter Keypad/Display

