



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

EMERGENCY RESPONSE SAMPLING SYSTEM DIGITAL FLOW METER TECHNOLOGY F&J MODEL DFCP-60L-12Li

NOTABLE FEATURES:

- State-of-the-Art Electronics
- Operating Modes
 - Line Power (100VAC – 250VAC)
 - On-board 12.8V, 12Ah LiFePO₄ Battery
- Battery charging system operable from line power input
- Lightweight: — 9 lbs. (4.1 kg)
- Maximum Flow: 60 LPM Maximum; typical
- Bright OLED four (4) line x 32 character display
- 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 by time or volume
- Internal data storage downloadable as (.csv) file
- Data download via Bluetooth with optional Bluetooth Dongle for PC devices
- Battery capacity gauge



**Unit shown with optional
filter holder FJ-34**

NOTABLE FEATURES:

F&J Model DFCP-60L-12Li is a lightweight, small footprint, DC voltage powered air sampling system operable from either line power or the on-board 12 Ah LiFePO₄ battery.

The DFCP-60L-12Li is well suited for emergency response sampling activities where users do not know whether line power will be available. Typical operating time from on-board batteries is approximately 4 hours utilizing FP47M, 47 mm glass fiber filter paper.

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.

Typical flow range is 10-60 SLPM (0.3 –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.

REV: 04 April 2024

DFCP-60L-12Li Battery Powered Air Sampler Specifications

Pump Type: High efficiency centrifugal blower

Motor: Brushless 35,000 rpm

Maximum Flowrate: Typical 60 LPM
with 47 mm glass fiber media (98%DOP efficiency)

Power Source:

External – Line Power; 100VAC to 240VAC
Internal— On-board 12.8 VDC, 12 Ah LiFePO₄ battery
External— Auxiliary 12 VDC connector

Battery Charging System:

Internal System which charges from line power.

Operating Time on Batteries:

~ 4 hours w/FP47M glass fiber filter paper

Current Draw: 10 A maximum on 12.8 VDC
1 A maximum on line power

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

Handle: Durable metal with plastic grip

Weight: 9 lbs. (4.1 kg)

Dimensions: 10.3” L × 10.5” W × 8.5” H
(26 × 27 × 22 cm)
Height with handle extended ~11.4”

Noise Level: Average dB 69.8 @ 1 meter

Operating Temperature: 16°F to 122°F (-10°C to 50°C)

Display: Bright OLED (4 line x 32 characters)

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

Flow Control:

Adjustable from keypad between 10-60 LPM

Flow Accuracy: ±4.0% of Full Scale

Factory Settable Reference T and P

Classical STP	0°C, 760 mmHg
Normal T and P	20°C, 760 mmHg
Modified Normal T and P	70°F, 760 mmHg
Standard Ambient T and P	25°C, 760 mmHg

OPTIONS:

- 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 Flowmeter Keypad/Display

