

## F&J SPECIALTY PRODUCTS, INC.

# EMERGENCY RESPONSE SAMPLING SYSTEM 12VDC POWERED AIR SAMPLER

Digital Flowmeter Technology —
 F&J Model DF-75L-AC

#### **NOTABLE FEATURES:**

- > State-of-the-Art Electronics
- Operating Modes
  - Line Power (100VAC 250VAC)
  - Automobile Cigarette Lighter
- $\triangleright$  Lightweight ~11 lbs. (5 kg)
- Maximum Flow: 65 to 75 LPM; typical
- ➤ Bright LED 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 on time or volume



#### **GENERAL DESCRIPTION:**

F&J Model DF-75L-AC is a lightweight, small footprint, AC powered air sampling system operable from (1) line power or (2) a 12-15 VDC power source such as an automobile cigarette lighter socket.

The DF-75L-AC 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 battery is approximately 8 - 10 hours utilizing 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 30-75 SLPM (1.1 -2.6 SCFM).

**Rev.:** 29 Feb. 2016

### **DF-75L-AC AC/DC Powered Air Sampler Specifications**

Pump Type: Dual diaphragm high efficiency

#### **Maximum Flowrate:**

75 LPM – Typical w/47 mm FP47M glass fiber

media

100 LPM – Free air flow capacity

#### **Power Source:**

Line Power; 100VAC or 250VAC Automobile Cigarette Lighter – 12VDC

**Current Draw:** 4 A maximum

**Filter Holder Fitting:** 3/8 FNPT quick disconnect

**Handle:** Durable metal

**Weight:** 11 lbs. (5 kg)

**Dimensions:**  $8"\times9"\times12"$  (20 × 23 × 30 cm)

#### **Operating Temperature Ranges:**

0°F to 122°F (-18°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 30-75 LPM

Flow Accuracy:  $\pm 4.0\%$  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:**

➤ Data Storage Device (P/N: 232FCDSD)

➤ 1 GB Secure Digital Card (P/N: 372239)

➤ Flash card Reader (P/N: SDDR-199-A20)

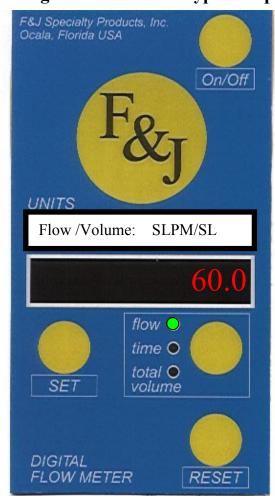
#### **Standard Combination Filter Holders Available:**

FILTER	CHARCOAL	PARTICULATE
HOLDER	CARTRIDGE	PAPER
MODEL	<b>DIMENSIONS</b>	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

#### Available Engineering Units for Flow and Volume:

sccm/ scc SLPM / SLP SCFM / SCF SCMH / SCM

#### Digital Flowmeter Keypad/Display



**Tel:** 352/680-1177 • **Fax:** 352/680-1454 • **Email:** fandj@fjspecialty.com