

F&J SPECIALTY PRODUCTS, INC.
The Nucleus of Quality Air Monitoring Programs

“D” SERIES HIGH VOLUME Digital Flow Meter Air Sampling System (200 - 240 VAC)

F&J, the leader in advanced-technology air sampling systems for ambient environmental monitoring applications, is introducing a new technology product line of HIGH VOLUME AIR SAMPLERS!

The “D” Series High Volume Digital Flow Meter (DFM) Systems provide modern technology to automate the majority of the air sampling process.

Flow rates as high as 117 CFM (200 m³/hr) can be achieved through 8”×10” (20.3 cm × 25.4 cm) glass fiber filter paper. The “D” Series High Volume air samplers enable air monitoring specialists to attain lower levels of detection for trace metals and lower levels of airborne radioactivity concentrations. The “D” Series High Volume air samplers enable one to filter more than twice the air volumes per sample event than processed by the currently available high volume air samplers having a 60-70 CFM (100-120 m³/hr) maximum flow rate capacity.

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**Typical Maximum Flow Rates for DF-60810DE
1100 watt Vacuum System (1 ½ " Piping)**

Filter Paper	Maximum Flow		
	CFM	LPM	m ³ /hr
8"x10"			
FP810	90.1	2550	153
FP810M	111.3	3150	189
GC508X10IN	80.2	2270	136
5211810	92.9	2628	158
GC908X10	89.0	2520	151
PG60	94.7	2680	161
FP810M2	116.3	3290	197
EPM2000	85.9	2430	146
GA558X10IN	83.4	2360	142
2064810	110.6	3130	188



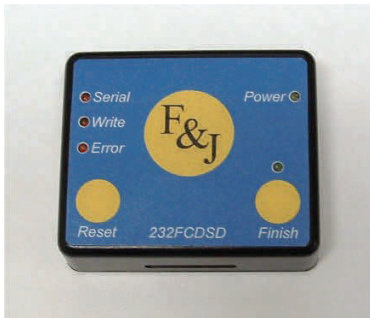
DF-60810DE Series

Additional Operator Selectable Features Provided by Digital Flow Meter Air Sampling System Product Line

NOTABLE FEATURES:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: $\pm 3.0\%$ Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 200-240VAC; 50/60Hz, single phase

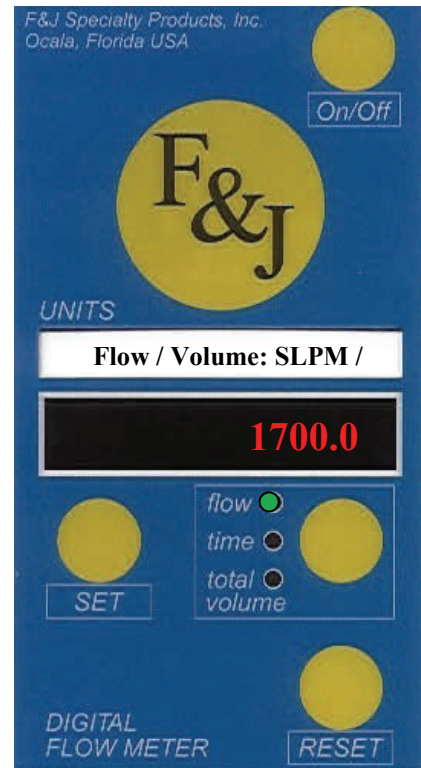
DF-60810DE Series



Flash Card Data Storage Device
232FCDS

Data Storage Device, RS232 Input,
Data stored in SD Card
(SD Card not included)

Digital Flow Meter Keypad/Display



“D” SERIES HIGH VOLUME AIR SAMPLING SYSTEM (200 - 240 VAC)

Digital Flow Meter System

	DF-604DE	DF-60810DE
Dimensions H×L×W (in)	57,5 × 21,5 × 21,5	57,5 × 21,5 × 21,5
H×L×W (cm)	146×55×55	146×55×55
Weight lbs. (kg)	98 (44,5)	98 (44,5)
Filter Dimension	4” (102mm)	8”x10” (20.3cm x 25.4cm)
Maximum Flow	50 CFM (85m ³ /hr)	117 CFM (200m ³ /hr)
Max. Vacuum “H ₂ O (kPa)	90 (22)	90 (22)
Flow Regulator Type	Electronic	Electronic
Motor Power, Type	1100 watt, Brushless	1100 watt, Brushless
Voltage (AC), 1 Ph	200-240	200-240
Frequency (Hz)	50/60	50/60
Power Requirement (watts)	1100	1100
Operating Temperature °C (°F)*	-29 to 50 (-20* to 122)	-29 to 50 (-20* to 122)
*warm start/continuous operation only for low temperature value		
Storage Temperature °C (°F)	-35 to 70 (-31 to 156)	-35 to 70 (-31 to 156)
IPX Rating	IPX 3	IPX3
Installation Category	Pollution Degree 3	Pollution Degree 3
Enclosure Protection	Powder Coat Paint	Powder Coat Paint
Noise Level @ 1 m (db)	83	83