



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

F&J ECONOAIR PLUS L-5P

The F&J Econoair Plus L-5P personal air sampler consists of a pump contained in a high impact steel fiber filled Lexan, antistatic and RFI/EMI-shielded case, exclusive electronic circuit board for constant flow control, an LCD display with 2 lines of 16 characters, a single diaphragm pump mechanism and a rechargeable NiMH battery pack.

The purpose of this pump is to draw air contaminants in through a sampling media such as 25, 37 and 47mm filter cassettes, bubble impingers, long-duration color detector tubes; to gauge personnel exposure to gases, vapors, particulates, aerosols, etc.

No tools are required to operate this pump and a password protected keypad locking system provides uninterrupted operation. The main display allows quick selection to RUN (for sampling) or MENU (to reset pumps data).

Other features include elapsed time, flow rate and accumulated volume. The built in timer counts down the sampling time up to 40 hours and automatically turns the pump off.



Features:

- Runs 20 hours @ 2.0 LPM (37 mm 0.8 μ filter)*
- Constant flow, high back pressure capability for 25 mm 0.45 μ asbestos filters
- Accuracy: \pm 5% of compensation range
- Flows up to 5 LPM
- Flow compensation for filter plugging and battery voltage
- Dual flow range easily handles Impingers, cyclones and tubes
- "Auto-restart" within one minute of a flow fault
- Memory free rechargeable single pack battery and optional extended run with use of triple packs
- Battery pack rechargeable while attached or separately
- Compact, rugged and quiet
- Stainless steel belt clip with built-in tripod connector
- Key pad lock system
- One year warranty



* Actual flow rate achievable is dependent upon filter media flow resistance and diameter.

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Performance Profile: Model: L-5P

Flow Range: 0.8 – 5 LPM (800-5000 cc/min)
5-799 cc/min with Universal Low Flow Holder

Compensation Range:

5000 cc/min up to 10" water back pressure
4000 cc/min up to 20" water back pressure
3000 cc/min up to 30" water back pressure
2000 cc/min up to 50" water back pressure
1000 cc/min up to 50" water back pressure
800 cc/min up to 15" water back pressure

Accuracy: ± 5% of Compensation Range

Run Time:

Run Time (hrs) at different backpressure and flow rate (cc/min) Backpressure (inches of water)

Flow Rate	5"	10"	15"	20"	30"	40"	50"
1000	25hr	19hr	15hr	12hr	8hr		
2000	20hr	16hr	14hr	11hr	7hr	5hr	3hr
3000	15hr	12hr	9hr	7hr	5hr	3hr	
4000	13hr	9hr	7hr	6hr			
5000	9hr	6hr					

Low Flow using Universal Low Flow Holder: 5 – 799 cc/min 8 hours

Data Storage: Last flow rate, elapsed clock time and accumulated volume is saved into memory until cleared for next sampling.

Display: Backlit LCD with 2 lines of 16 Characters

Normal Operation: Battery Level, Flow Rate, Elapsed Time, Volume Collected, Count down Timer

Flow Fault Displays: Flow Fault or Filter Off

Specifications

Power Supply: Single Pack, NiMH Batteries: 4.8V, 2.15 Ah; Triple Pack, NiMH Batteries: 4.8V, 6.45 Ah

Recharge Time:

Battery	Charger		
	QuickOne	QuickFive	Standard
Single Pack	2 Hr	2 Hr	10 Hr
Triple Pck	6 Hr	6 Hr	

Quick-Chargers: Input Voltage 100 to 240 VAC

Standard-Chargers: Input Voltage 120 VAC or 230 VAC

Approvals: CE EMC Directive (EMCD) 89/336/EEC UL and cUL (pending), ATEX (pending)

Temperature:

Operating	32°F to 113°F	(0°C to 45°C)
Storage	32°F to 113°F	(0°C to 45°C)
Charging	41°F to 104°F	(5°C to 40°C)

Case: Polycarbonate steel fiber filled, RFI/EMI-shielded

Size: 4.5"H × 4"W × 2"D
(11.4 cm H × 10.2 cm W × 5 cm D)

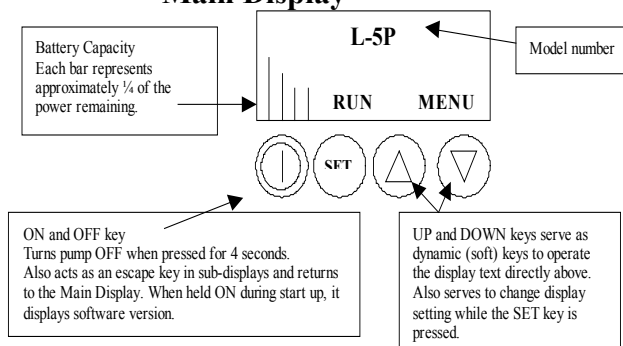
Average Db: 53.0

Weight: 19 oz (539 g)

PRODUCT	DESCRIPTION
L-5P	L-5P Pump Kit
L-5P-5	L-5P, 5-pack Pump Kit
109030	Adjustable Universal Low Flow Holder

L-5P OPERATION DISPLAYS

Main Display



Recommended Lapel Filter Holders:
LP-947, FJ832AB

* Pump kit includes pump with a single pack NiMH battery, standard 120VAC battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual. Kit does not include Universal Low Flow Holder for sorbent tubes.

** Pump 5-pack kit includes 5 each: pumps with single pack NiMH batteries, Luer hose adapter, shirt/hose clip and 3 feet of vinyl hose. Also included is two operating manuals, One QuickFive charger 100-240VAC and a durable hard plastic 1500 Pelican case with lifetime warranty that accommodates additional accessories. Kit does not include Universal Low Flow Holder for sorbent tubes.