



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

F&J ECONOAIR PLUS L-12P

The F&J Econoair Plus L-12P 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 (patent pending), 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, to gauge personnel exposure to particulates, aerosols and mold.

No tools are required to operate this pump and Keys lock to prevent it from being turned off. 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. All data is saved, and cleared for next sample under the MENU "Clear All Data" option.



Features:

- Flows up to 12 LPM*
- Accuracy $\pm 5\%$ of compensation range
- Displays: elapsed time, accumulated volume and flow rate
- High backpressure compensation up to 40" of water 4 LPM
- Flow Compensation for filter plugging and battery voltage
- "Auto-restart" within one minute of a flow fault
- 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 air flow resistance and diameter.

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Performance Profile: Model: L-12P

Flow Range: 3 – 12 LPM (3000-12000 cc/min)
50-800 cc/min with Universal Low Flow Holder

Compensation Range:

12.0 LPM from 3" up to 5" water back pressure
10.0 LPM from 3" up to 12" water back pressure
8.0 LPM from 3" up to 12" water back pressure
6.0 LPM from 3" up to 30" water back pressure
5.0 LPM from 3" up to 36" water back pressure
4.0 LPM from 3" up to 36" water back pressure
3.0 LPM from 3" up to 40" water back pressure

Accuracy: ± 5% of Compensation Range

Run Time:

Run Time (hrs) at different Water Back pressure.

| Flow Rate LPM | Water 5" | Water 10" | Water 15" | Water 20" | Water 25" | Water 30" | Water 35" | Water 40" |
|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 3 | 50 | 36 | 26 | 20 | 17 | 15 | 12 | 10 |
| 4 | 41 | 29 | 23 | 17 | 13 | 11 | 9 | 8 |
| 5 | 31 | 23 | 18 | 14 | 11 | 9 | 8 | |
| 6 | 24 | 17 | 14 | 11 | 9 | 8 | | |
| 8 | 14 | 11 | | | | | | |
| 10 | 7 | 4 | | | | | | |
| 12 | 4 | | | | | | | |

Pressure mode: 50 – 800 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: Triple Pack, NiMH Batteries: 4.8V, 6.45 Ah;

Recharge Time:

| Battery | Charger | | |
|------------|------------------|-------------------|------------------|
| Triple Pck | QuickOne 6 Hr | QuickFive 6 Hr | Standard 12Hr |

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) |

* Pump kit includes pump with NiMH triple pack battery, standard 120 or 240 VAC battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.
Order QuickOne and QuickFive rapid charger and accessories separately

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

Size: 6.75"H × 4"W × 2"D
(14.6 cm H × 10.2 cm W × 5 cm D)

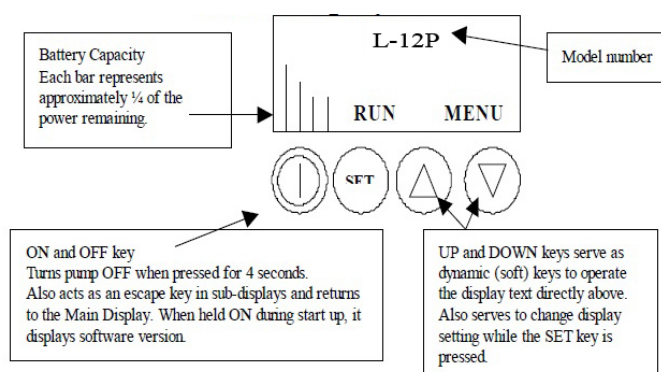
Average dB: 71.0

Weight: 31 oz (879 g)

| PRODUCT | DESCRIPTION |
|---------|--------------------------|
| 906250 | *L-12P 120V Pump Kit |
| 906260 | *L-12P 230V Pump Kit |
| 942512 | **L-12P, 5-pack Pump Kit |

L-12P OPERATION DISPLAYS

Main Display



Recommended Lapel Filter Holders:

LP-947X, FJ-832, FJ-832B

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