F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

ECONOAIR PREMIUM L-15PTR

NOTABLE FEATURES:

- Compact, Rugged and Quiet
- No tools required to change flow rates
- Flow setting is saved in memory for next day quick start
- Battery pack rechargeable while attached or separately
- Stainless steel belt clip with built-in tripod connector
- One-hour rechargeable batteries and extended run triple packs
- High impact steel fiber filled Lexan case, antistatic and RFI shielded
- "Auto-restart" within one minute of a flow fault
- Flows up to 15 LPM
- High backpressure capable for 25mm 0.45µ asbestos filters
- Built in washable stainless steel 100 micron filter for economy of use
- NiMH batteries; 6.45 Ah
- Displays: Total Accumulated Volume, Elapsed Time, Battery Life, Countdown Clock and Current Flowrate
- Timing routine activated sampling
- Correction of flow rates and volumes to a Reference Temperature and Pressure
- One year warranty
- Premium models are capable of Data Logging. PC Software and for download of data requires optional PC link cable
- The PC link with Windows 10 and Windows 11 operating system using the RS232
- Delayed start time with auto shut off feature is available upon request

GENERAL DESCRIPTION:

The ECONOAIR Premium L-15PTR is a low-cost high-performance personal air sampling pump. It is a simple model designed for sampling of asbestos, lead and other airborne contaminates. The rugged compact design features a rechargeable NiMH battery with available one-hour recharger.
The L-15PTR can be programmed for timing routine activated sampling.

The sealed pump case protects the internal components from dust, fibers and moisture. Simplicity of its operation features establishment of flows at 8, 10 and 14 LPM's, maintained within 5% for full constant flow compensation using 37 and 25 mm cassettes interchangeable. This insures accurate sample volumes based on the run time. The ECONOAIR Premium L-15PTR is capable of delivering up to 15 LPM for periods exceeding 8 hours.

The operator can select to report flow rates and volumes to ambient conditions or to a Reference Temperature and Pressure.

The ECONOAIR Premium features a two line display that displays flowrate, accumulated volume, elapsed time, battery life and a countdown timer.

Rev.: 20 February 2025

ECONOAIR PREMIUM L-12PTR

Press SET button and hold while using the Arrow keys to adjust flow

ON/OFF Button: Press to turn ON, pump will begin running at previous set flow rate. Press and hold for 3 seconds to turn OFF.

Flow Fault Displays:

Compensation Range:

15 LPM up to 10" H_2O backpressure
10 LPM up to 15" H_2O backpressure
9.0 LPM up to 17" H_2O backpressure
7.0 LPM up to 18" H_2O backpressure
5.0 LPM up to 25" H_2O backpressure

Power: Rechargeable NiMH Batteries; 4.8V, 6.45 Ah (Triple Pack)

Operating Temperature Range: 32ºF to 122ºF (0ºC to 50ºC)

Storage Temperature: 32ºF to 122ºF (0ºC to 50ºC)

Charging Temperature Range: 41ºF to 104º (5ºC to 40ºC)

Case: Polycarbonate steel fiber filled; RFI-shielded and antistatic

Size: 6.75"H × 4"W × 2"D (14,6 × 10,2 × 5 cm)

Weight: 2.1 lbs. (0,93 kg)

Display: Backlit LCD with 2×16 Characters

Displayed Information: Current Flowrate Elapsed Time Battery Life
Accumulated Volume Countdown Timer

PERFORMANCE PROFILE

Accuracy: ± 5% of the flow set point

Recommended Charger: Single Station; P/N: 601800
Five Station; P/N: 605800

INSTRUCTIONS TO ENABLE DATA LOGGING AND DOWNLOAD LOGS

F&J L-XPTR Series is capable of storing seven days of sampling data in the internal memory if data is logged every minute. To enable data logging follow the instructions below.

1. Set flow and calibrate the pump as mentioned in section 1.
2. In the main display, press Menu key (Down arrow) and scroll down to Log Sample Rate screen
3. By default log rate is Disabled. Press and Hold Set Key and Press UP arrow to enable log rate in the format of minutes . 1-255 mins.
4. Press ON key once to escape back to Main display or Down arrow to scroll through the menus and then to main display where sampling could be started by pressing RUN (UP arrow) and accumulate logs.

Requirements for Downloading Logged Data:

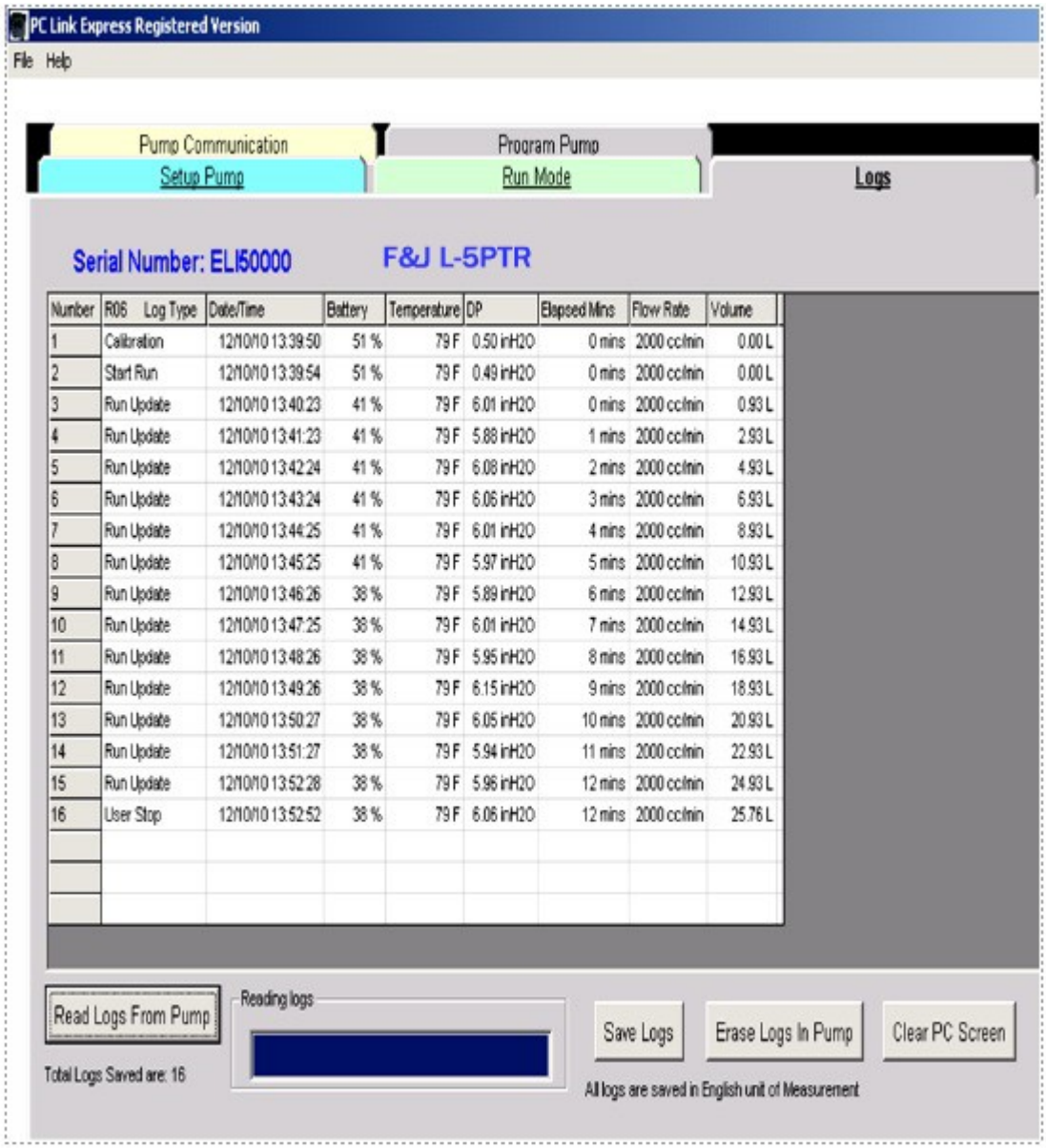
1. PC with Windows 10 or Windows 11 operating system and RS 232 port.
2. F&J PC Link Elite software package part no. 109101 (includes the PC link cable part no. 109048).

F&J PC Link Elite software package can be purchased from F&J.

F&J PC link cable 109048 needs to be connected to the RS232 port on the PC and the other end to the pump port . Pump needs to be turned on to make the connection.

If RS232 port is not present in the PC then a USB to RS232 adapter is required to make the connection. Check your lo-cal electronic store for this adapter and download the latest driver file to make this adapter work properly.

EXAMPLE OF LOGGED DATA



Number	R06 Log Type	Date/Time	Battery	Temperature	DP	Elapsed Mins	Flow Rate	Volume
1	Calibration	12/10/10 13:39:50	51 %	79 F	0.50 inH2O	0 mins	2000 cc/min	0.00 L
2	Start Run	12/10/10 13:39:54	51 %	79 F	0.49 inH2O	0 mins	2000 cc/min	0.00 L
3	Run Update	12/10/10 13:40:23	41 %	79 F	6.01 inH2O	0 mins	2000 cc/min	0.93 L
4	Run Update	12/10/10 13:41:23	41 %	79 F	5.88 inH2O	1 mins	2000 cc/min	2.93 L
5	Run Update	12/10/10 13:42:24	41 %	79 F	6.08 inH2O	2 mins	2000 cc/min	4.93 L
6	Run Update	12/10/10 13:43:24	41 %	79 F	6.06 inH2O	3 mins	2000 cc/min	6.93 L
7	Run Update	12/10/10 13:44:25	41 %	79 F	6.01 inH2O	4 mins	2000 cc/min	8.93 L
8	Run Update	12/10/10 13:45:25	41 %	79 F	5.97 inH2O	5 mins	2000 cc/min	10.93 L
9	Run Update	12/10/10 13:46:26	38 %	79 F	5.89 inH2O	6 mins	2000 cc/min	12.93 L
10	Run Update	12/10/10 13:47:25	38 %	79 F	6.01 inH2O	7 mins	2000 cc/min	14.93 L
11	Run Update	12/10/10 13:48:26	38 %	79 F	5.95 inH2O	8 mins	2000 cc/min	16.93 L
12	Run Update	12/10/10 13:49:26	38 %	79 F	6.15 inH2O	9 mins	2000 cc/min	18.93 L
13	Run Update	12/10/10 13:50:27	38 %	79 F	6.05 inH2O	10 mins	2000 cc/min	20.93 L
14	Run Update	12/10/10 13:51:27	38 %	79 F	5.94 inH2O	11 mins	2000 cc/min	22.93 L
15	Run Update	12/10/10 13:52:28	38 %	79 F	5.96 inH2O	12 mins	2000 cc/min	24.93 L
16	User Stop	12/10/10 13:52:52	38 %	79 F	6.06 inH2O	12 mins	2000 cc/min	25.76 L