



The *BUCK Allin & Allin Plus 12* series is a personal air sampler suitable for use in location where flammable gases, vapors, dust, fibers or flyings are present. It has steel fiber filled housing for RFI/EMI shielding, 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 and 37mm 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).

****** Allin Plus models include data logging, programmable feature which allows the pump for unattended Start/Stop operation. Temperature and Barometric Pressure compensation in STP mode. The PC link capability lets you download the sampling data into a PC with Windows XP/ Windows 7,10 operating system using the RS232 COM port and the Buck PC link cable

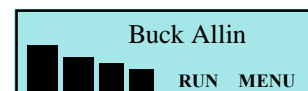
Features:

- UL 913 and CAN/CSA-C22.2 Intrinsically safe certified: Suitable for use in Class I, II, III, Div 1 Groups A-G, T3 Hazardous locations.
- ****** Allin Plus models capable of Data logging and can be programmed for multiple Start/ Stop and Duration Sampling.
- ****** Temperature and Barometric Pressure Compensated flow available in the Allin Plus models only.
- Accuracy: ± 5% of compensation range
- Flow range 3 to 12LPM. Low flow of 50-800 cc/min with Universal low flow adapter.
- Flow compensation for filter plugging and battery voltage
- %Auto-restart+within one minute of a flow fault
- Battery pack rechargeable while attached or separately
- Stainless steel belt clip with built-in tripod connector
- Key pad lock system
- One year warranty

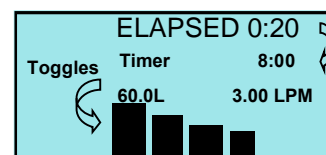


Flow Range 3 to 12 LPM
Low Flows 50-800 cc/min with
Low Flow Holder

Main Display



Sampling Display





Performance Profile

Model: Buck Allin & Allin Plus - 12
 Flow Range: 3-12 LPM (3000-12000 cc/min)
 50-800 cc/min with Universal Low Flow Holder
 P.N. APB-109030
 Compensation Range:
 12.0LPM from 3+up to 5+water back pressure
 10.0LPM form 3+up to 8+water back pressure
 8.0LPM from 3+up to 10+water back pressure
 6.0LPM form 3+up to 20+water back pressure
 5.0LPM form 3+up to 25+water back pressure
 4.0LPM from 3+up to 30+water back pressure
 3.0LPM form 3+up to 35+water back pressure

Accuracy: ± 5% of Compensation Range
 Run Time (hrs.) at different Water Back pressure.

Flow Rate	Water Back Pressure						
LPM	5+	10+	15+	20+	25+	30+	35+
3	30	25	17	13	9	6	3
4	27	20	14	10	6	3	
5	21	16	11	7	4		
6	17	11	7	4			
8	10	7					
10	4						
12	2						

Pressure mode:50-800cc/min : 1-8 hrs depending on backpressure.

Data Storage Flow rate, elapsed clock time, accumulated

Allin Plus Only: volume, temperature, DP and any Flow Faults are logged in the memory for download to PC.

Display: Backlit LCD with 2 lines of 16 Characters

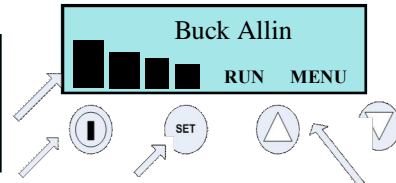
Normal Operation: Battery Level, Flow Rate, Elapsed Time, Volume Collected, Timer.

Flow Fault Displays: Flow Fault, or Filter Off

Operating Instructions

Buck Allin & Allin Plus-12

Battery Capacity. Each bar represents approximately 1/4 of power remaining.



ON and OFF key turns pump off when pressed for 4 seconds. Also acts as an escape key in sub displays and return to the Main display.

Press and Hold SET key and use the arrow key to change display values.

Up and Down arrow key serves as dynamic key to operate and display text directly above. Also serves to change display settings while SET key is pressed.

Specifications

Power Supply:

Triple Pack, NiMH Batteries 4.8V, 6.45 Ah

Standard-Chargers: Input Voltage 120 VAC - 240 VAC

Battery	Part no.	Charge Time
Triple Pack	109012	24Hr

Approvals:UL913 and CAN/CSA-C22.2 Intrinsically safe certified. Suitable for use in Class I, II, III Div 1 Groups A-G,T3 Hazardous locations.

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: 6.75+H x 4+W x 2+D
 (17.15cm H x 10.2 cm W x 5 cm D)

Weight: 30 oz (.839g)

PRODUCT	DESCRIPTION
APB-905400	Buck Allin™ . 12 Single Pack Pump kit with 120V Standard charger.
APB-905420	Buck Allin™ . 12 Single Pack Pump kit with 240V Standard charger.
APB-905450	Buck Allin™ . 12 5 pk Pump kit with Standard charger and case.
APB-905500	Buck Allin Plus™ . 12 Single Pack Pump kit with 120V Standard charger.
APB-905520	Buck Allin Plus™ . 12 Single Pack Pump kit with 240V Standard charger.
APB-905550	Buck Allin Plus™ . 12 5 pk Pump kit with Standard charger and case.

Rev. 9.30.14

* Pump kit includes pump with a Triple pack NiMH battery, standard battery charger, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.

** Pump 5-pack kit includes 5 each: pumps with Triple pack NiMH batteries, Luer hose adapter, shirt/hose clip, and 3 feet of vinyl hose. Also included is two operating manuals, Five Standard charger 100-240VAC, and a durable hard plastic case with lifetime warranty that accommodates additional accessories.