

Model H-811 AC/DC

AC/DC Powered High Volume Air Sampler



- Runs on 12/24VDC or 120VAC
- High Accuracy
- Altitude Corrections
- LCD Displays
 - Elapsed Sample Time*
 - Flow Rate*
 - Total Volume*
- Microprocessor Based
- Data Memory
- 3 Independent Programmable Calibrations

The RADeCO Model H-811 AC/DC is a dependable, lightweight high volume air sampler which can operate off 12 or 24VDC as well as 120 VAC. This microprocessor based high volume air sampler will operate virtually anywhere. The unit has a slip connector for powering off a car battery or a RADeCO RAD1224 Battery Pack as well as a removable AC power cord for when line power is available.

In 2006 we upgraded the microprocessor of the industry favorite H-810 to allow three independently programmable calibrations as well as altitude correction factors. This one unit can replace up to 6 air samplers. Three AC units with different calibrations and three DC units with three different calibrations.

The Air Volume Totalizer portion of the sampler is composed of an enclosed air-turbine which rotates at speeds proportional to the air velocity of the sampled air. The turbine's rotation is sensed by a reflective sensor/breaker disk. The microprocessor converts the signal to volume and displays the flow rate, total volume, and elapsed time on the LCD readout.

12/24V DC POWER

TYPICAL MAXIMUM FLOW RATES FOR VARIOUS COMBINATIONS OF FILTERS AND CARTRIDGES			
CARTRIDGE	HD-2061 FILTER 47mm DIAMETER FLOW RATE (CFM)	LB-5211 FILTER 47mm DIAMETER FLOW RATE (CFM)	GELMAN AE FILTER 47mm DIAMETER FLOW RATE (CFM)
CP-100	1.4 (12V) 2.9 (24V)	1.0 (2.2)	.8 (1.9)
CP-200	2.1 (4.4)	1.3 (3.1)	1.1 (2.5)
BG-300	2.3 (4.9)	1.4 (3.2)	1.1 (2.6)
GY-130	1.0 (2.2)	.8 (1.8)	.7 (1.6)
None	3.0 (7.1)	1.7 (4.0)	1.4 (12V) 2.8 (24V)

120V AC POWER

TYPICAL MAXIMUM FLOW RATES FOR VARIOUS COMBINATIONS OF FILTERS AND CARTRIDGES			
CARTRIDGE	HD-2061 FILTER 47mm DIAMETER FLOW RATE (CFM)	LB-5211 FILTER 47mm DIAMETER FLOW RATE (CFM)	GELMAN AE FILTER 47mm DIAMETER FLOW RATE (CFM)
CP-100	4.5	3.3	2.8
CP-200	8.9	4.9	5.0
BG-300	7.4	4.7	3.8
GY-130	4.2	3.1	2.7
None	11.8	6.0	4.5

