

Model H-810DM

High Volume Air Sampler-Defense Model



The RADēCO™ Model H-810DM (Defense Model) is a ruggedized version of the popular H-810AC. The H-810DM is designed to meet a variety of military standards and for use in extreme environments. This microprocessor based unit has our unique aluminum Tough Screen; no moving parts or buttons and operates like a touch screen phone only made of 1/4 inch thick aluminum with a polycarbonate display window. External upgrades to the unit include the upgraded keypad, power cord clamp, mil-spec paint, and the case has an internal support structure to prevent denting if dropped. The display and microprocessor have been upgraded to operate in extreme sub-zero temperatures.

Like its predecessor, the H-810DM displays current flow rate, sample time and total volume. The unit can be programmed to take samples based on the user's established procedures. The functions/parameters established during calibration may be locked in using the keypad security. When the keypad security is on, all keys on the keypad are disabled with the exception of the START/STOP and UNITS keys. The UNITS key will toggle the LCD display from CFM to LPM.

The H-810DM is not solely designed for military use. It is also ideal for shipyards, EPLAN, first responders or workers that are hard on their equipment. RADēCO stands by our rugged claim and includes a two year warranty for the H-810DM. Like the H-809V series air sampler, the H-810DM will provide users with a long pain free service life.

A 2" wide, 6' belt for carrying purposes or for hanging the instrument during sampling is provided. A tripod is available as well as different style flow barrels for varying flow rates.

*120/220VAC/60Hz; 220/50hz available. • Weight : 14 lbs. • Dimensions: 8" x 8" x 8"
Drop from carrying or breathing sampling height is not an issue*

SIMPLE OPERATION

1. Connect to a power source.
2. Install the sample holder with filter media.
3. Turn power switch on.
4. Press the start key.

TYPICAL MAXIMUM FLOW RATES FOR VARIOUS COMBINATIONS OF FILTERS AND CARTRIDGES

| Cartridge | HD-2061 Filter 47mm Diameter Flow Rate (CFM) | LB-5211 Filter 0750-36 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 |
| BG-300 | 7.4 | 4.7 | 3.8 |
| GY-130 | 4.2 | 3.1 | 2.7 |
| None | 11.8 | 6 | 4.5 |

