

GENERAL PURPOSE AIR SAMPLER

Consists of a minipump driven by a d.c. Motor working on a 6 volt rechargeable battery. These work continuously for upto 10 hours between charging. If required, the air sampler can be used, while charging by 220 VAC mains supply. The screw arrangement allows variation of flowrates between 0.5 and 3.0 litres/ minutes. A flowmeter is mounted on the face of the box.

Pulsation dampers are internally fitted on the inlet and outlet gas circuit to smoothen the air flow. The pump unit is fitted into a M.S. Case of compact size. The sampler unit can be kept on a flat surface for stability at the breathing zone level of the worker to take TWA - TLV (8 hour) measurements. The air sampler is supplied with battery charger in a carrying case.



GENERAL APPLICATION

1. Threshold limit valves - statutory requirements

By sampling the breathing air, the short term exposure limit can be determined. Otherwise using the sampler for an 8 hour shift the TWA - TLV value can be ascertained for the contaminant.

2. Dusts, Fumes, Mists

For collection of toxic dusts e.g. arsenic, cadmium, beryllium, carbon black, cobalt, copper, lead, manganese, nickel rhodium, silver or tin, the use of a filter is the simplest. Many oxides or metal fumes, produced by casting, welding or burning, may be collected on a filter for analysis.

3. Gases, Vapours and Solvents

Using the sampler, a convenient collecting method is by adsorption tubes or detector tubes suitable to the gases & vapours to be analysed or for deadsorption for chromatograph analysis of the adsorbent. Also for adsorption into a liquid contained in a bubbler for chemical analysis.

TECHNICAL DATA

Rating	: 10 hours after full charge.
Flow Variation	: 0.5 to 3.0 litres/minute.
Power	: Rechargeable 6V Battery.
Recharging	: On 220V AC mains supply.
Range	: 0-3.5 l/m with 0.5 litre graduation
Size	: 110 X 70 X 125 mm
Weight	: 1.4 kg. approx.
Indicators	: Power On, Low Battery, Charging
Standard	
Accessories	: Charger & carrying case.
Filter Holder	: For 25 mm dia paper disc.
ACCESSORY OFFERED AS OPTIONAL EXTRA	
Filter Paper	: For dry dusts 100 nos X 25mm disc per box. (Whatman GF/A type)

Note : Since improvements are made from time to time, dimensions and specifications are subject to change without prior notice.

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