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Certified ISO 9001: 2000 by



CERT. NO. 217910

MODEL AS-3 GENERAL PURPOSE AIR PUMP

THE INSTRUMENT

THE TECHNOVATION AIR SAMPLER Model AS-3 consists of a mini-pump driven by a D.C. motor working on a 6 volt rechargeable battery. These work continuously for up to ten hours between charging. If required, the air sampler can be used, while charging by 220 V AC mains supply. The screw arrangement allows variation of flow-rates between 0.5 and 3.0 litres/minute. A flowmeter is mounted on the side 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 an Aluminum. case of compact size. The sampler unit can be worn on the belt by personnel in the work place to take TWA - TL V (8 hour) measurements. The air sampler with battery charger is supplied in a carrying case.

FEATURES

- Low Cost
- Portable and small and light weight
- Rechargeable battery operated
- Robust
- 8 hour operation on one charge
- Power On, Low Battery, Charging Indicators

APPLICATIONS

1. Threshold limit values - 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.

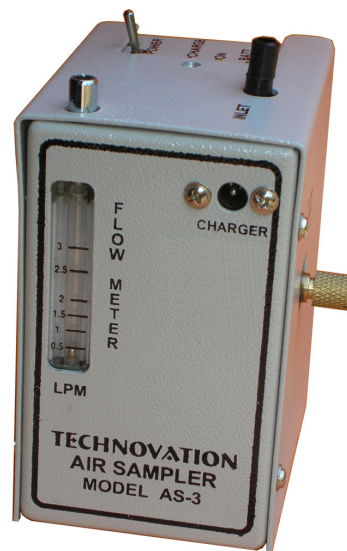
2. Dusts, Fumes, Mists

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 odor de-adsorbtion for chromatograph analysis of the adsorbent. Also for adsorption into a liquid contained in a bubbler for chemical analysis.

LOW-COST DEPENDABLE & INDIGENOUS



TECHNOVATION® MODEL AS-3

STANDARD SPECIFICATIONS

Range	: 0-3 l/min.
Flow meter	: 0.5 litre graduation.
Rating	: 8 hours after full charge
Flow Variation	: 0.5 to 3.0 litres/minute
Power	: Rechargeable 6V Battery
Battery	: NiMH type
Recharging	: On 220 VAC mains
Size	: 70 X 95 X 125 mm
Weight.	: 600 gms. Approx
Belt clip	: Provided

ACCESSORIES

Filter Holder	For 25 & 37mm dia paper discs.
Carrying case	For instrument, Charger & Accessories.
Battery charger	Charger provided

ACCESSORIES OFFERED AS OPTIONAL EXTRA

- For dry dusts 100 nos X 25mm disc per box. (Whatman GF/A type).
- Impingers and bubbler for wet chemical analysis. Holders for above
- Harness for carrying of instrument on person