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TECHNOVATION Analytical Instruments Pvt.Ltd

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CERT. NO. 217910

MODEL AS-2 GENERAL PURPOSE AIR SAMPLER THE INSTRUMENT

THE TECHNOVATION AIR SAMPLER Model AS2 consists of a mini pump driven by a D.C. motor working on a 6 volt rechargeable battery. These work continuously for up to 10 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 2.0 litres/minute. A flow meter 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 - TL V (8 hour) measurements. The air sampler is supplied with battery charger in a carrying case.

FEATURES

- n Low Cost
- n Portable and small
- n Rechargeable battery operated
- n Robust
- n 8 hour operation on one charge
- n 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 or de-adsorption 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-2

STANDARD SPECIFICATIONS

Range	: 0-2 l/min with 0.5 litre graduation.
Rating	: 8 hours after full charge.
Flow Variation	: 0.5 to 2.0 litres/minute
Power	: Rechargeable 6V Battery
Recharging	: On 220 VAC mains
Size	: 110 X 70 X 125mm
Weight	: 1.4 kg. approx

ACCESSORIES

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

ACCESSORIES OFFERED AS OPTIONAL EXTRA

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