

VAYUBODHAK PERSONAL SAMPLER

PERSONAL SAMPLER VBI-111C

We manufacture and supply the optimum quality of **Personal Sampler**. Known for its excellent sampling efficiency, the offered personal sampler is used for air pollution monitoring applications. Owing to our large production capacity, we manage the bulk assignments of personal sampler effectively.

To full-fill need of monitoring exposure of the total air borne dust as well as the Respirable fraction of dust, VayuBodhak has developed a light-weight, battery – operated Personal Sampler equipped with a cyclonic system. The sampler can be mounted on the body of the worker. The sampler has a compact aluminium cabinet with a clip so that the system can be belt worn.

The cyclone designed for cut off at 5 microns as recommended by DGMS for measurement of worker exposure to Respirable dust. The air leaving the cyclone, having particles of the size 5 microns or less passes through glass micro-fibre filter of 37mm dia. housed in filter holder fitted at the top of cyclone where Respirable dust get accumulated and can be quantified gravimetrically. The collected dust can further be analyzed for specific constituents viz. lead, other heavy metals, silica, etc. The VBI 111C can sample air at flow rates from 0.5 to 3.0 LPM.

Features:

- Easy to use
- Longer serving life
- Optimum sampling efficiency

Specifications:

- Flow Rate: 0 to 3.0 LPM.
- Size: 148X100X100 MM.APPROX
- Weight: 800gm approx.
- Battery: Li-ion rechargeable
- Recharge Time: 8 hours
- Operation Time: 8 hours
- Filter: 37 mm diameter filter discs (Whatman GF/A Grade) or equivalent
- Cabinet: Modular powder coated with belts for shoulder and filter head through shoulder

