

PERSONAL SAMPLER

Ecotech Model IAS 001

Factory Act 1948 as amended in 86-87 require regular monitoring of work space environment and of the exposure of workmen to harmful pollutants and toxic chemicals. The increasing general awareness of atmospheric air pollution and its serious impacts of pollutants and hazards to the health and well-being of industrial workers has resulted in greater stress on accurate, reliable and frequent assessment of work space pollution and worker-exposure. The data so generated are needed for corrective measures to safeguard the workers.

Ecotech IAS 001 Personal Sampler has been developed to fulfill monitoring requirements of toxic particulates present in workplace environment and its exposure to workers working in the area.

In present monitoring sampler designed such so that it can remain attached on worker for measurement of workers

exposure to toxic dust and fumes thus workers keep moving in the shop-floor as part of their normal duties while sampling.

IAS 001 uses a light weight, battery operated pump enclosed in a compact aluminum cabinet provided with a clip so that the sampling system can be belt fitted.

The total weight of the instrument is less than one kilogram.

The IAS is capable of sampling air at flow rates ranging from 0.5 -3lpm which is the desired sampling rate for most of the dust (e.g. silica, asbestos, oxides of lead, cadmium, chromium, arsenic manganese etc.) Rechargeable Li-ion batteries have been used with sufficient storage to operate the system for a full shift of 8 hours making it easier to compare worker's dose to the TLV levels specified.

A separate charger is provided with the IAS 001 sampler to recharge the batteries overnight.

The filter holder of the IAS 001 sampler is designed to accept standard 25mm (1") diameter filters.



Specification:

Flow Rate	0.5 – 3 LPM.
Size	155 x 95 x 70 mm. approx
Weight	800gm approx.
Battery	Li-ion rechargeable
Recharge Time	12 hours
Operation Time	8 hours on fully charged batteries.
Filter	25 mm diameter filter discs (Whatman GF/A Grade) or equivalent
Cabinet	Modular powder coated with clip for fitting on belt

WARRANTY
ALL ECOTECH PRODUCTS
CARRY ONE YEAR
WARRANTY



For pricing information and queries contact:

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