

HANDY SAMPLER

Ecotech Model IAS 019

The increasing general awareness of atmospheric air pollution and its serious impacts on 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 as per Factory Act 1948 and amendment in 1986-87.

Ecotech IAS 019 Handy Sampler uses a small world's best imported light weight battery operated pump to draw air through 37 mm dia filter and through suitable absorption solution contained in two impinger fitted in series. Thus besides particulates any two gaseous pollutants can be monitored simultaneously.

IAS 019 sampler uses wet chemical method to sample gaseous toxicants the same hardware can be used to sample a variety of pollutants including Oxides of Sulphur and Nitrogen, Halogens, Ammonia, Sulphides ozone etc. The Particulate sampling head provided with the system would be useful for monitoring particulates like silica cement dust metal fumes, asbestos fiber etc. in work area of cement plants, foundries mines and also in indoor air quality monitoring etc.

To ensure complete absorption and reduce loss of absorbing solutions by evaporation the impinger tubes of IAS 019 sampler are kept in an insulated ice-tray.

Rechargeable batteries have been used with sufficient storage to operate the system for 8 hours making it easier to compare workers dose to the TLV levels specified.

A separate charger is provided with IAS 019 to recharge the batteries overnight.

A digital timer has been incorporated in the IAS 019 to facilitate unattended operation.

Specification:

Flow Rate	0.5 – 3 LPM.
Size	170 x135x 110mm. approx
Weight	900gm approx.
Battery	12V ,Li-ion rechargeable
Recharge Time	12 hours
Operation Time	8 hours on fully charged batteries.
Running Time	0.1 to 999 min.
Delay Time:	0.1 to 99 min
Filter	25mm diameter filter discs (Whatman GF/A Grade) or equivalent
Cabinet	Modular powder coated



For pricing information and queries contact:



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