



APM 821



APPLICATION

This instrument is used for assessment of work place pollution. APM 821 sampler uses wet chemical methods to sample gaseous toxicants. It can be used to sample a variety of pollutants including oxides of sulphur and nitrogen, halogens, ammonia, sulphides, etc. The particulate sampling head provided with the system would be useful for monitoring particulates like silica, cement dust, metal fumes, asbestos fibres, etc in work areas of cement plants, foundries, etc.

OPERATING PRINCIPLE

The APM 821 system uses a small battery operated pump to draw air through a suitable absorption solution contained in an impinger. If necessary, 2 impingers can be used in series to monitor 2 gaseous pollutants. There is an additional provision to determine suspended particulates in the same exercise by using the open sampling head which takes 25mm diameter filters.

To ensure complete absorption and reduce loss of absorbing solutions by evaporation, the impinger tubes of the APM 821 sampler are kept in an insulated ice tray.

Rechargeable batteries have been used with sufficient storage to operate the system for full shift of 8 hours making it easier to compare worker's dose to the TLV levels specified.

FEATURES

- Battery operated pump for a full shift of 8 hrs.
- Rechargeable, Maintenance Free Battery.
- Provision for the system to operate off the main also.
- Digital Timer to facilitate un-attended operation

NEED OF MONITORING

The increasing general awareness of atmospheric pollution and its hazards to the health and well-being of industrial workers is bound to result in greater stress on accurate, reliable and frequent assessment of work place pollution and worker-exposure. Handy Sampler APM 821 has been developed to fulfill this critical need.



APM 821



SPECIFICATIONS

Suction Pump	Built-in / Rotary vane type.
Sampling Rate	0.5 - 1 LPM
Rotameter	0 – 3 LPM with Needle Valves to control flow
Timer (Battery Operated)	3 digit display in minutes; with provision of display of total run time & delay time
Battery	Rechargeable maintenance free battery
Running Time	1 – 999 Min
Delay Time	1 – 99 Min.
Power Supply	220V (+/-) 10V AC, 50Hz with Battery charger and Rechargeable batteries (4AH).
Operation Time	10 hours with full charge
Charge time	15 hours or less
Sampling Train Housing	Consisting of 2 nos., 35 ml glass impingers kept in ice tray connected with inert Silicone tubing

1 Year Warranty

*Specifications are subject to change without any prior notification



For More Information Contact

Envirotech Instruments Pvt. Ltd.

A-271, Okhla Industrial Area, Phase – 1,
New Delhi – 110020, India



+91-011-41026749
+91-9810038803



sales@envirotechindia.com
sales.envirotech@gmail.com



www.envirotechindia.com