

THERMOELECTRICALLY COOLED GASEOUS POLLUTANTS SAMPLER ECOTECH MODEL AAS 118TE

The AAS 118TE independent sampler has been designed for sampling of various gaseous pollutants present in ambient air. In attachment unfiltered air is sucked and bubbled through specific reagents kept in impingers where gaseous pollutants (SO₂, NO₂, NH₃, & O₃), get absorbed in chemicals. Later collected chemical samples one can analyze as per standard wet chemistry method.

The AAS 118TE Peltiers are used to keep the box cool upto 25-30°C below ambient temperature. This means that even in peak summer when outdoor temperature goes above 40°C Impingers placed in the AAS 118TE remain at 10-15°C.

A digital temperature controller cum indicator constantly monitors and display the temperature of impinger sampling reagents. In AAS 118TE focused cooling is taking place as per design of cooling plate around impingers. An aluminum block is an integral part of cooling system where impinger are embedded. This block is getting cooling with the help of Peltiers. once temp in desired range is achieved it is maintained using temperature controller.

Flow meter and manifold assembly fitted in the sampler is remain at ambient temperature thus there is no need to incorporate temperature correction.



SPECIFICATIONS

- Thermoelectric Cooling system to keep impingers cool 10-15°C for effective absorption.
- Improved valve design to maintains constant flow rate.
- 4Nos. of 35ml Impingers placed in a Ice Tray with Lid.
- Digital temperature controller with display of temperature
- Suitable for sampling of 4 gaseous pollutants
- Impingers meet BIS design

For pricing information and queries contact:

ECOTECH INSTRUMENTS

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