

# GASEOUS SAMPLING ATTACHMENT

## ECOTECH MODEL AAS 109 WITH PUMP

The AAS 109 Gaseous Sampling Attachment is designed for simultaneous sampling of four gaseous pollutants present in ambient air. In sampler air is bubbled through specific reagents kept in impingers where gaseous pollutants like SO<sub>2</sub>, NO<sub>2</sub>, NH<sub>3</sub>, and O<sub>3</sub> get absorbed. Later collected samples can be analyzed for specific pollutants as per standard wet chemistry methods prescribed by BIS.

AAS 109 is an attachment having inbuilt small pump which run on the controlled power taken from main sampler (PM2.5 Or Combo Sampler) for which this attachment has been designed. Suction of the pump fitted in attachment is connected to manifold of AAS 109 from where it is connected to outlet of the impinger. Suction is controlled through provided four needle valves to set desired air flow rate (upto 3 lpm) for bubbling in impinger reagents (as per standard method requirements).

Cabinet of attachment is powder coated where if some corrosive absorbing reagent spills on it corrosion is not expected. Ice tray is made up of moulded fiber sheet with PUF packed on the walls. Silicon tubing is used for interconnection. Impingers are of standard design as prescribed by BIS.



**All Ecotech products can be accessed using single key. Only rust free stainless steel hardware are used in each Ecotech products.**

### TECHNICAL SPECIFICATIONS

(i) Absorbers Provided	: 4 Nos. 35ml Borosilicate Glass impingers as per BIS 5182(Part 6) 2006
(ii) Sampling Rate	: 0.3- 3.0lpm measured using Acrylic Body Rotameter 2% accuracy FSD.
(iii) Sampling Train	: Through manifold having 4 inlets and 1 outlet with built in needle valves for flow control at each inlet.
(iv) Suction	: A small pump is fitted in the attachment connected on manifold through silicon tube thus air after bubbling from impinger do not go to the main pump but exhausted to atmosphere by small pump where moist gases with traces of chemicals do not any damage main pump parts.
(v) Size and Weight	: 417 x 270 x 170mm, 6 Kg

### WARRANTY

**ALL ECOTECH PRODUCTS CARRY ONE YEAR WARRANTY**



For pricing information and queries contact:

## **ECOTECH INSTRUMENTS**

K-127, UPSIDC Industrial Area, Site-V, Kasna, Greater Noida, (Uttar Pradesh)

Phone: 91-0120-2341127, 09810392043, Fax: 91-0120-2341128

email: [ecotechinstruments@gmail.com](mailto:ecotechinstruments@gmail.com)