

# AMBIENT / INDOOR AIR QUALITY MONITOR VOC MONITOR ECOTECH MODEL IAS 400

Ecotech IAS 400 is a cost effective indigenous Volatile Organic Compounds Monitor for measurement of VOC in ambient and indoor air. Total VOC concentration in ppm is displayed on the monitor measured with the help of PID Sensor. Ecotech IAS 400 is a latest Model where Temperature, RH. And Barometric Pressure data also recorded with VOC with the help of calibrated sensors.

The real time VOC data are generated by taking sensor values at every 3 seconds and logged in the data logger of the monitor. Later 1 minute average value are worked out in the logger which can be further averaged and recorded at user defined interval. Logged data can be transferred in computer with the help of pen drive. An USB port is provided for data transfer to computer. The device can be used for routine status monitoring of these pollutants to know the trend of VOC levels prevailing at the monitoring site which are getting influenced by local activities or due to changes in micrometeorological variations.

Data logging is user selectable. One can program it for 1 minutes to 1 hour logging interval as per requirements. System has feature of displaying and holding one parameter on display as per user requirements.

Provisions exist in the monitor to calibrate it against reference and Temp., RH and Barometric pressure can be calibrated by comparison with master units.

Li-ion Battery fitted in the monitor can support operation of the sampler almost for 24hrs.

Battery charger is fitted in the instrument used for trickle charging of the battery during operation thus continuous monitoring is possible for several days if power is connected.

Adequate size of display provided with enough visibility of monitoring parameters Power consumption is low system is portable and easy to install at location of interest.

EMI Shielding is provided and unit can be operated in close proximity of sources of interferences such as industrial machinery high voltage supplies.



## PARAMETERS MEASURED

### Volatile Organic Compounds

VOC PID sensor Based

Range 0 – 200 PPM Res. 1 PPM

### Weather Parameter Digital Sensor

Temperature

Range: 0-50°C Res. 0.1 C

Relative Humidity

Range: 5 - 95% Res. 0.1 %

Barometric Pressure (mbar) Res. 1mbar

Ecotech Instruments						
Particulate Monitor IAS 400						
Location ID:0007						
Date DD/MM/YYYY	Time HH:MM	VOC PPM	AMB. TEMP Deg C	HUMIDITY % RH	BARO PRESS mbar	
27/09/2022	15:38	5	26.8	61.9	987	
27/09/2022	15:39	3	26.6	62.3	988	
27/09/2022	15:40	12	26.5	62.7	988	
27/09/2022	15:41	10	26.4	62.0	988	
27/09/2022	15:42	17	26.3	62.8	988	
27/09/2022	15:43	13	26.2	64.3	988	
27/09/2022	15:44	17	26.1	64.3	989	
27/09/2022	15:45	21	26.0	64.6	989	

## Warranty

**ALL ECOTECH PRODUCTS CARRY ONE YEAR WARRANTY FROM DATE OF**



For pricing information and queries contact:

## ECOTECH INSTRUMENTS

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