

AMBIENT / INDOOR AIR QUALITY MONITOR

ECOTECH MODEL IAS 200

Ecotech IAS 200 is a cost effective indigenous SO₂ & NO₂ Monitor for ambient and Indoor air quality. Measurement of these air pollutants based on conventional sampling kind of instruments required significant time efforts consumables and results are available only after several days. For Air Quality Management such data are not useful. Ecotech IAS 200 is a latest model where SO₂ & NO₂ Temperature, RH. And Barometric Pressure data generated with the help of calibrated electrochemical sensor and digital weather sensor.



The real time 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 air pollutants which are getting influenced by local activities or due changes in micrometeorological variations.

Data logging is user selectable. One can program it for 1 minutes to 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 referred 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

NO₂ Electrochemical	0 – 5 PPM
Resolution	0.1 PPM
SO₂ Electrochemical	0 – 5 PPM
Resolution	0.01 PPM
Weather Parameter Digital Sensor	
Temperature 0-50°C	
Resolution	0.1
Relative Humidity 5 to 95%RH	
Resolution	0.1%
Barometric Pressure (mbar)	
Resolution	1 mbar

Ecotech Instruments

Particulate Monitor IAS 200
Location ID:0001

Date DD/MM/YYYY	Time HH:MM	NO ₂ PPM	SO ₂ PPM	AMB. TEMP Deg C	HUMIDITY % RH	BARO PRESS mbar
27/09/2022	15:01	0	--	27.1	59.8	987
27/09/2022	15:02	0.03	0.16	26.4	61.6	988
27/09/2022	15:03	0.09	0.76	26.1	63.3	988
27/09/2022	15:04	0.11	0.44	26.1	68.2	988
27/09/2022	15:05	0.12	0.04	26.5	67.2	987
27/09/2022	15:06	0.11	0.03	26.8	66.5	987

Warranty

ALL ECOTECH PRODUCTS CARRY ONE YEAR WARRANTY FROM DATE OF

For pricing information and queries contact:

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