

AMBIENT / INDOOR AIR QUALITY MONITOR

CO₂, CO & O₂ MONITOR ECOTECH IAS 100

Ecotech IAS 100 is a cost effective indigenous multi parameter Ambient/Indoor Air Quality Monitor for CO₂, CO & O₂. Measurement of said gaseous parameters are done based on conventional sampling kind of instruments required significant time efforts consumables and results are available after several hours of sampling collection. For initiating management and effective control such data may not be useful. Ecotech IAS 100 is recent addition where CO₂, CO, O₂ Temperature, RH. & Barometric Pressure data generated with the help of NDIR / Electrochemical Sensor and other digital weather sensor.



The real time data are generated with the help of Microprocessor and sensor technology values at every 3 seconds are updating and 1 minute average values are logged in the data logger of the monitor. Logged data can be transferred in computer with the help of pen drive. An USB port is provided for data transfer in the monitor. The device can be used for routine status monitoring to know the trend of air pollutants which are getting influenced by urban activities or due changes in micrometeorological variations.

Data logging time is user selectable. One can program it for 1 minute to hour as per requirement. System has feature of displaying and holding parameter of interest on display as per user requirements.

Provisions exist in the monitor to calibrate it against standard reference value and observed values of CO₂, CO, O₂, Temp, RH and Barometric pressure can be corrected in the machine by entering calibration factors.

Li-ion Battery fitted in the monitor can support operation of the monitor 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 to the machine.

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.

PARAMETERS MEASURED

CO₂ Electrochemical Sensor based

Range: 0 – 20000 PPM, Res: 1 PPM

CO Electrochemical Sensor based

Range: 0 – 100 PPM, Res: 0.01 PPM

O₂ Electrochemical sensor based

Range: 0 – 25 % Res: 0.1% v/v

Weather Parameter Digital Sensor

Temperature

Range: 0-50°C, Res: 0.1

Relative Humidity

Range: 5 to 95%RH, Res 0.1%

Barometric Pressure (mbar), Res: 1mbar

Ecotech Instruments

Particulate Monitor IAS 100

Location ID:0001

Date DD/MM/YYYY	Time HH:MM	CO PPM	CO ₂ PPM	O ₂ %	AMB. TEMP Deg C	HUMIDITY % RH	BARO PRESS mbar
27/09/2022	11:00	0.46	292	20.99	25.1	62.2	991
27/09/2022	11:01	0.44	296	20.97	24.8	62.2	992
27/09/2022	11:02	0.44	289	20.93	24.9	61.4	992
27/09/2022	11:03	0.45	292	20.95	24.7	61.5	992
27/09/2022	11:04	0.44	293	20.96	24.5	61.5	992
27/09/2022	11:05	0.44	290	20.92	24.5	61.3	992
27/09/2022	11:06	0.44	297	20.91	24.4	61.3	992
27/09/2022	11:07	0.44	297	20.94	24.3	61.3	993
27/09/2022	11:08	0.44	297	20.93	24.2	61.2	993
27/09/2022	11:09	0.43	298	20.91	24.1	61.1	993
27/09/2022	11:10	0.45	302	20.93	24.1	61.2	993

Warranty

ALL ECOTECH PRODUCTS CARRY ONE YEAR WARRANTY FROM DATE OF SUPPLY

For pricing information and queries contact:



ECOTECH INSTRUMENTS

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