

# AIR QUALITY MONITOR ECOTECH AAD 200



Ecotech AAD 200 is a cost effective indigenous multi parameter Air Quality Monitor for online measurement of frequently needed air pollution parameter. Measurement of important air pollutants done based on conventional sampling kind of instruments required significant time efforts consumables and results are available only after 24hrs sampling collection. For online action on Air Quality Management such data are not useful. Ecotech AAD 200 is a latest model where PM10 & PM2.5 Temperature, RH. And Barometric Pressure data generated with the help of calibrated



lesser based particulates sensor and other digital weather sensor.

The real time data are generated and 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 is user selectable. One can program it for 1 minute to several hours logging interval can be achieved. System has feature of displaying and holding one parameter on display as per user requirements.

Provisions exist in the monitor to calibrate it against standard and observed values of PM10, PM2.5, 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 sampler almost for 48hrs without power connection.

Battery charger is provided with instrument can be used for trickle charging of the battery during operation thus continuous monitoring is possible.

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

### Particulates

PM10 upto 1000  $\mu\text{g}/\text{m}^3$

Resolution 1  $\mu\text{g}/\text{m}^3$

PM2.5 upto 500  $\mu\text{g}/\text{m}^3$

Resolution 1  $\mu\text{g}/\text{m}^3$

### Weather Parameter

Temperature 0-50°C

Relative Humidity 5 to 95%RH

Barometric Pressure (mbar)

## Ecotech Instruments

Particulate Monitor AAD 200

Location ID:0001

Date DD/MM/YYYY	Time HH:MM	PM10 ug/m3	pm2.5 ug/m3	C.V. %	AMB. TEMP Deg C	HUMIDITY % RH	BARO PRESS mbar
21/04/2018	14:40	149	94	1.03	36.3	32.2	804
21/04/2018	14:44	139	98	1.81	36.2	33.1	814
21/04/2018	14:45	148	93	4.85	36.1	33	817
21/04/2018	14:46	151	95	1.8	36.1	33.4	818
21/04/2018	14:47	151	96	1.55	36.1	33.3	818
21/04/2018	14:48	154	98	1.89	36.1	33.6	819
21/04/2018	14:49	151	94	3.21	36.1	33.2	818
21/04/2018	14:50	151	94	1.85	36.1	33.2	819

## **WARRANTY**

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



For pricing information and queries contact:

## **ECOTECH INSTRUMENTS**

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