



APM307



APPLICATION

AQM 307 is an indigenously developed system system which monitors PM10, PM2.5, temperature & relative humidity instrument display instant values of the pollutants. It is handy, light weight and quite suitable for indoor air quality monitoring. Instrument can be placed anywhere in our homes, offices, schools and hospitals and can also be mounted on walls and poles. AQM 307 is ac power operated with a battery backup for 8 hours. It consists of a detachable memory card which stores average values of pollutants at every 1 minute interval with date and time. Data can be retrieved from the memory card in an excel format by hooking it to a pc/laptop cloud based server.

WORKING FEATURES

Air is drawn on to the sensor (s) provided in the instrument with the help of a fan provided in the instrument. Date and time of start of instrument is set with the help of keys provided on the panel. Instrument displays the values of the pollutants on the LCD display and also logs the data in the memory card. After completion of monitoring memory card is removed from the instrument and hooked to a pc for retrieval of the data.

FEATURES

- Monitors PM10, PM2.5, temperature and relative humidity simultaneously.
- Indigenous, designed by Envirotech
- Displays instant values of pollutants, this feature is usually not available in similar devices produced.
- Remote data transfer via GSM/WI-FI cloud server.
- High contrast LCD display
- Ideal for indoor monitoring.
- Pole/wall mount brackets permit easy installation.
- Compact and portable for convenient field operation.
- Options available for data transfer to display boards and websites.
- Battery backups for 8 hrs.
- Expected sensor life 6 months to 2 years

NEED

In recent years, people are getting more conscious of the environment they are living in. This consciousness has derived the need of environmental monitoring systems which are handy, weight, low cost and are able to give instant values of pollutants. The typical regulatory monitors are quite costly, bulky and stationary in nature and require highly skilled manpower to operate. To address these issues low cost, user friendly sensor based devices have been developed which are low-cost user friendly and data can be accessed anywhere via GSM/WI-FI.



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SPECIFICATION

Parameters	v , PM2.5 , Temp. & RH
Range (PM10, PM2.5)	0-3000 $\mu\text{g}/\text{m}^3$
Resolution	1 $\mu\text{g}/\text{m}^3$
Principle	Light Scattering
Operating Temperature	-20 to 40 °C (-30 to 55 °C intermittent)
Power Requirement	AC, 220V, 50/60 Hz
Data Storage	8 GB microSD card
Principle	Light Scattering
Power Backup	8-hour (Fast charging in <2 hrs.)
Dimensions	150mm*70mm*120mm Approx
Weight	1 kg Approx

1 Year Warranty

*Specifications are subject to change without any prior notification



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