



CO2 PM2.5 PM10
TVOC TEMP
HUMIDITY
AIR QUALITY MONITOR
PRO TOUCH AURORA



AIRVEDA - BREATHE WELL, LIVE WELL

MODEL NO.: PM2510CVTH

Meet India's first IAQ (indoor air quality) monitor manufactured in India to be accredited by the globally recognized RESET™ Standard for Commercial Interiors. RESET Accreditation makes the Airveda Monitors accredited for use in RESET and WELL (International WELL Building Institute™) projects.

ACCURATE

Airveda PM2.5 PM10 CO2 TVOC Temp Humidity Monitor uses high quality laser sensors, calibrated individually for Indian conditions against BAM (Beta Attenuation Monitor- the most advanced system for measuring ambient air quality). This device uses high quality NDIR CO2 sensor, which allows user to easily self-calibrate ensuring best results. TVOC is a self-calibrating MOS MEMS commercial grade sensor. Temperature and humidity sensors are calibrated by a master source traceable to NABL.

PORTABLE AND REAL-TIME

The small size and long battery life makes the monitor extremely portable. Can be charged using any USB power outlet in your car, laptop or power bank. Air quality is measured every second to provide real-time data for PM2.5 PM10 as well indoor CO2, allowing you to understand both - the levels of particulate pollution, and the need for ventilation. This ensures that you can balance both, to help you truly breathe well.

LOCAL MEMORY

Monitor stores data locally if no Wi-Fi is available for up-to two days and data is uploaded to server when Wi-Fi becomes available. By changing the frequency of measurement user can increase the number of days for which data can be stored significantly.

MADE IN INDIA - LOCALLY MANUFACTURED & SERVICED

Airveda monitors are completely manufactured and serviced in India. Sensors are also calibrated locally to suit Indian conditions. Our manufacturing facility has been running for 30 years and is a trusted name in the local industry.

REPLACEABLE PM SENSOR

The default life of PM sensors is 1 year. This monitor allows sensor to be replaced on-site so it doesn't need to be sent to the factory for replacement allowing lesser down-time and hassle.

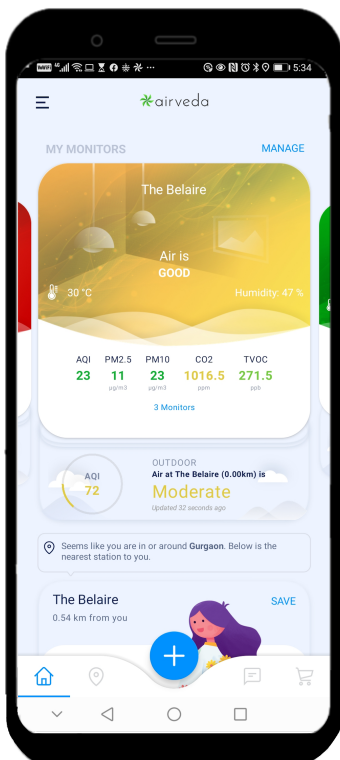
ADJUSTABLE FREQUENCY OF MEASUREMENT

The monitor allows you to configure the frequency of measurement to once every minute, 5 minutes, 10 minutes and 20 minutes. This allows you to adjust the frequency at which data is stored or sent to server enabling data to be available locally for longer periods. Also, this allows the sensors to turn off for some time between readings and hence extending the life of sensors.

WI-FI AND APP ENABLED

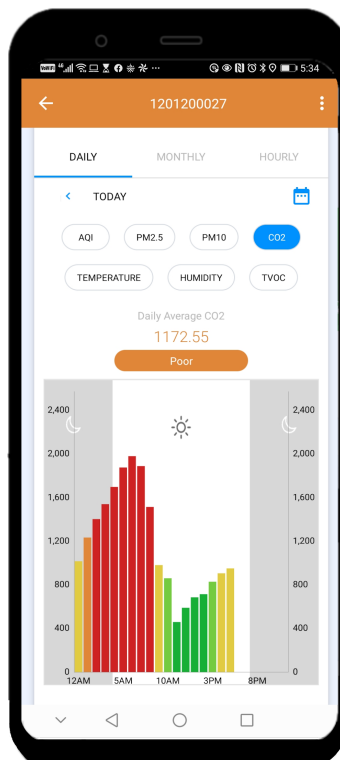
The monitor can be connected to up to 5 Wi-Fi networks including your home, office or personal hotspot. The monitor will automatically connect with the Wi-Fi when it becomes available.

Real-time and historic data and alerts can be viewed in Airveda app, available for free on iOS and Android.



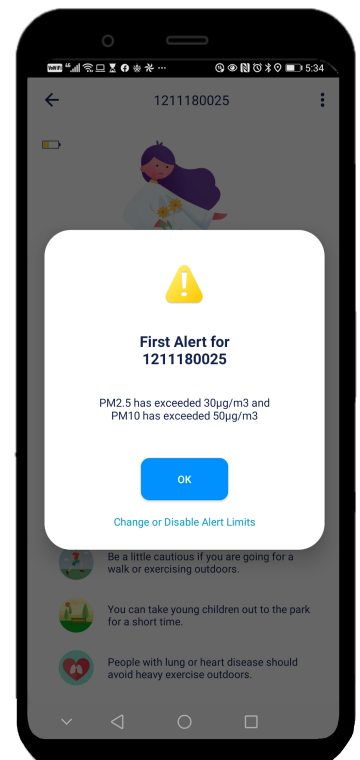
REAL-TIME DATA

Get PM, AQI and CO2 measurements every second. Choose between US AQI & Indian AQI. View real-time readings



VIEW DATA TRENDS

Understand how air quality varies with hourly, daily & monthly historical data. Measure performance changes in your air purifier, know when it is time to replace



GET AIR QUALITY ALERTS

Customize two PM and CO2 notification levels for your monitor via the app. Get real-time alerts when these levels are reached, so you take

from your monitor on the app irrespective of monitor location.

filters. Plan vacations, exercise time, kids' playtime & other outdoor activities to limit your exposure to pollution.

appropriate action such as use masks, turn on purifiers or your kitchen chimney.

TECHNICAL SPECIFICATIONS

MEASUREMENT

PM2.5, PM10 (laser scattering)

- Range of PM2.5: 0-999 $\mu\text{g}/\text{m}^3$
- Range of PM10: 0-1999 $\mu\text{g}/\text{m}^3$
- Minimum resolution of $< 0.3 \mu\text{m}$
- Relative error Maximum of $\pm 10\%$ and $\pm 10 \mu\text{g}/\text{m}^3$
- Calibrated with BAM

CO2 (NDIR)

- Range of CO2 0 to 5000 ppm
- Accuracy: 3% or 50ppm
- 2 minutes of initialization time
- Self calibrating. Can also manually calibrate on-site.

Temperature (CMOS)

- Range: 10-60 degree C.
- Error: 1 deg C.
- Resolution: 0.1 deg C

Humidity (Capacitive)

- Range: 10-90%
- Error: 3%
- Resolution: 1%

TVOC (MEMS Metal Oxide Technology)

- Range: 125-600ppb
- Resolution: 1ppb
- Accuracy: 15%

WI-FI ENABLED

- Connect up to 5 Wi-Fi SSID passwords
- Local memory stores data for up to 2 days

PORTABLE

- Size: 11.6cm*11.6cm*6cm.
- Power voltage: 5V.
- Can be charged via laptop/car USB
- Weight: 370 gms
- 2600mAH rechargeable battery

OPTIONAL ADDITIONS

- RS232 PORT, RS485 MODBUS.

SERVICE CONTRACT

- 1 Year warranty against any manufacturing defects.
- Client responsible for getting device to our facilities for all servicing. Service time 1 week.
- Warranty is void if device is opened, tampered with or electronics damaged due to mechanical shock.

