

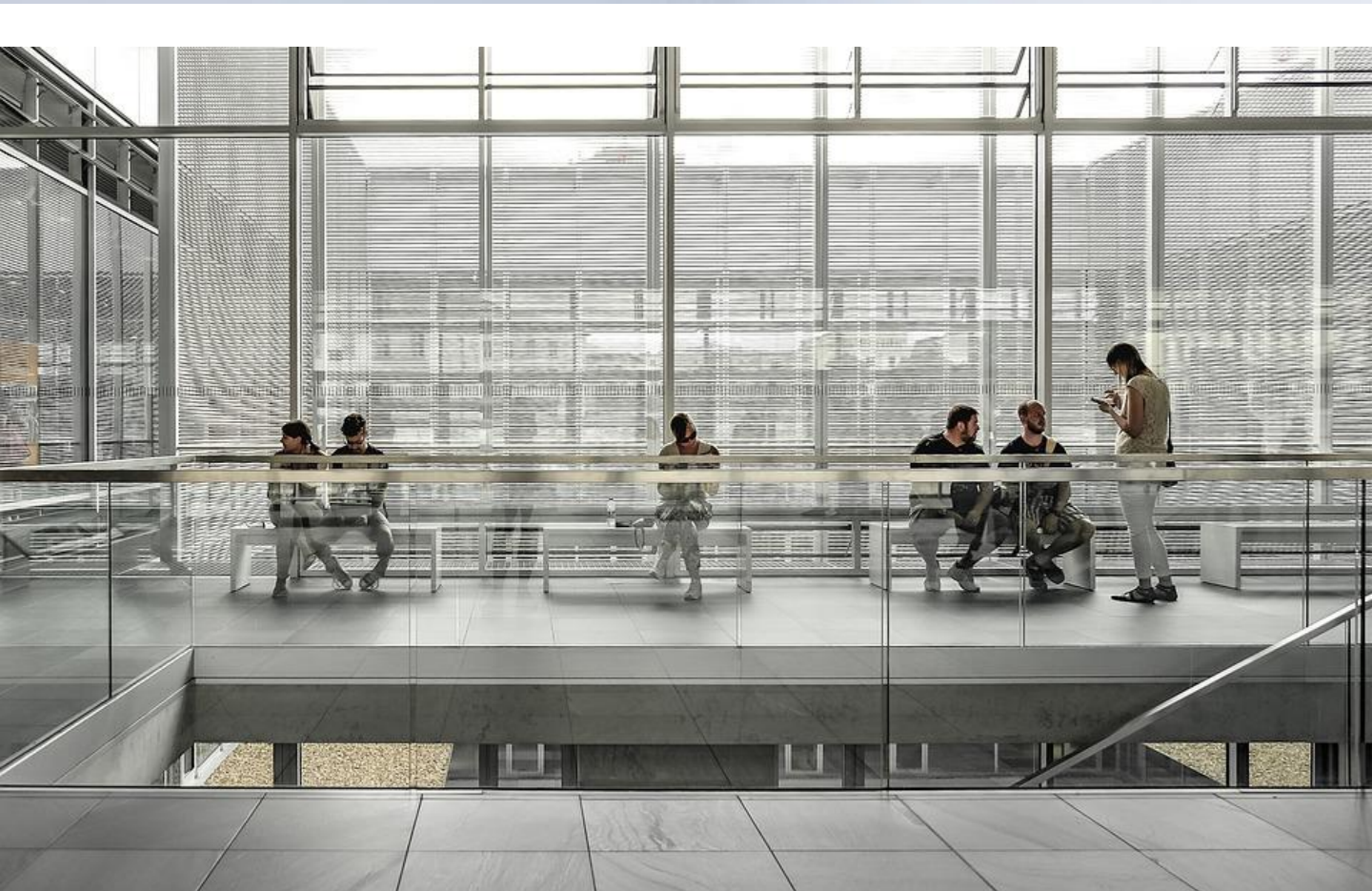
# Aura-b



# Indoor Air Quality Monitor



- 24-hour real-time monitoring of indoor air quality.
- PM2.5 & PM10, PM1.0, CO2, TVOC, Temperature ,Humidity
- Power supply : 5VDC/2A
- Communication interface using Modbus RTU
- Mount the monitor on wall or place it on table
- Large and stylish Display



# Basic Specifications

<b>General Data</b>	
Detection Data Optional)	Modular design sensor, up to 7 parameters (Max.) Temperature and humidity are standard. Other parameters: PM2.5,PM10,PM1.0, CO2, TVOC and Clock with date
Output	RS485 MODBUS RTU
Operating environment	Temperature: 0~50°C Humidity: 0~90%RH ( no condensation)
Storage environment	Temperature: -10°C~50°C Humidity: 10~70%RH
Power supply	Power adapter – 5V DC
Overall dimension	205mm(L)×130mm(W)×30mm(T)
Screen Size	235mm ( Large TFT Display screen)
Shell material and IP grade	ABS material
<b>PM2.5/PM10 Data</b>	
Sensor	Laser particle sensor, light scattering method
Measuring Range	PM2.5: 0~999 $\mu\text{g}/\text{m}^3$ PM10: 0~ 999 $\mu\text{g}/\text{m}^3$ PM1.0 0~ 999 $\mu\text{g}/\text{m}^3$
Output resolution	1 $\mu\text{g}/\text{m}^3$
Accuracy	0-100 $\pm 10 \mu\text{g}/\text{m}^3$ $\geq 100 \pm 10\% \mu\text{g}/\text{m}^3$
Life time	30-35 months (General application)
<b>CO2 Data</b>	
Sensor	Non-dispersive Infrared Detector (NDIR), Life time and auto calibration
Measuring Range	400~5,000ppm
Output resolution	1ppm
Accuracy	$\pm 50\text{ppm} + 5\%$ of reading
Life time	$\geq 10$ years
<b>TVOC Data</b>	
Sensor	TVOC
Measuring range	0~9.99 $\text{mg}/\text{m}^3$
Output resolution	0.001 $\text{mg}/\text{m}^3$
Accuracy	$\pm 0.05\text{mg} + 15\%$ of reading
Life time	$\geq 5$ years

# Basic Specifications

Temperature and Humidity Data	
Sensor	Digital integrated temperature and humidity sensor
Measuring Range	Temperature: -40°C~80°C / Humidity: 0~99%RH
Output	Temperature: 0.01°C / Humidity: 0.02%RH
Resolution	
Accuracy	Temperature: $\pm 0.3^{\circ}\text{C}@25^{\circ}\text{C}$ Humidity: $\pm 2.0\%RH$ (0%~80%RH)
Life time	$\geq 10$ years



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# Aura-n



# Indoor Air Quality Monitor



- 24-hour real-time online monitoring of indoor air quality.
- PM2.5 & PM10, CO2, TVOC, Temperature, Humidity, AQI Calculated
- Power supply : 5 VDC/2A



- Communication interface using wifi 2.4 Ghz
- Mount the monitor on wall or place it on table
- Large and stylish Display



# Basic Specifications

<b>General Data</b>	
Detection Data Optional)	Modular design sensor, up to 7 parameters (Max.) Temperature and humidity are standard. Other parameters: PM2.5,PM10,PM1.0, CO2, TVOC and Clock with date
Output	WiFi @2.4 GHz 802.11b/g/n
Operating environment	Temperature: 0~50°C Humidity: 0~90%RH ( no condensation)
Storage environment	Temperature: -10°C~50°C Humidity: 10~70%RH
Power supply	Power adapter – 5V DC
Overall dimension	205mm(L)×130mm(W)×30mm(T)
Screen Size	235mm ( Large TFT Display screen)
Shell material and IP grade	ABS material
<b>PM2.5/PM10 Data</b>	
Sensor	Laser particle sensor, light scattering method
Measuring Range	PM2.5: 0~999 $\mu\text{g}/\text{m}^3$ PM10: 0~ 999 $\mu\text{g}/\text{m}^3$ PM1.0 0~ 999 $\mu\text{g}/\text{m}^3$
Output resolution	1 $\mu\text{g}/\text{m}^3$
Accuracy	0-100 $\pm 10 \mu\text{g}/\text{m}^3$ $\geq 100 \pm 10\% \mu\text{g}/\text{m}^3$
Life time	30-35 months (General application)
<b>CO2 Data</b>	
Sensor	Non-dispersive Infrared Detector (NDIR), Life time and auto calibration
Measuring Range	400~5,000ppm
Output resolution	1ppm
Accuracy	$\pm 50\text{ppm} + 5\%$ of reading
Life time	$\geq 10$ years
<b>TVOC Data</b>	
Sensor	TVOC
Measuring range	0~9.99 $\text{mg}/\text{m}^3$
Output resolution	0.001 $\text{mg}/\text{m}^3$
Accuracy	$\pm 0.05\text{mg} + 15\%$ of reading
Life time	$\geq 5$ years

# Basic Specifications

Temperature and Humidity Data	
Sensor	Digital integrated temperature and humidity sensor
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Life time	$\geq 10$ years



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