



Luxedo

OC-535 series 5-in-1 monitor



The wall-mounted 5-in-1 monitor is a multi function product which centralizes five functions in one. There are three types:

Type	Sound	PM2.5	CO2	Temperature	Humidity	Time
535A	√	√	×	√	√	√
535B	√	×	√	√	√	√
535C	×	√	√	√	√	√

Please choose one based on your needs. It can be used to monitor environmental temperature and humidity, air quality, noise at the same time, so it can be used in many places, such as: factory, office, home, traffic route, acoustics, air-condition, refrigerator, etc.

Specifications:

1. Temperature and humidity

	Temperature	Humidity
Rang	-20~60°C	0-100%RH
Accuracy	±0.3°C	±3%RH
Resolution	0.1°C	0.1%RH

Oceanus environment monitor system

Response time	<2s (depends on the type of heat exchange)	8s (the time that humidity goes up to the order quantity 63%, 25 °C , 1m/s air flow)
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2. PM2.5

Range	0-500ug/m ³	
Particle concentration consistency	mass	±10% @ 100-500ug/m ³ ±10ug/m ³ @ 0-100ug/m ³
Single response time	<1s	
Comprehensive response time	≤10s	
Resolution	1ug/m ³	
Particle counting rate	<u>50% @ 0.3um,</u> 98% @ ≥0.5um	
Sensor	Plantower laser particulate matter sensor	
Average non-failure operation time	≥3 years	

3. Noise

Range	30-130dB	
Accuracy	± 1.5dB (based on the standard sound source 94dB@1KHz)	
Frequency response	31.5-8.5KHz	
Frequency weighting	A weighting and C weighting	
Response time	FAST and SLOW	
Microphone	6mm condenser microphone	
Digit display	3 digits	
Resolution	0.1dB(<100dB), or 1dB(>100dB)	

4. CO₂

Range	400-2000ppm (within the scope of the normal accuracy), the upper limit can extend to 9999ppm, but the cost is the lower accuracy	
Accuracy	±40ppm ±3% *the CO ₂ value in current	
Resolution	1ppm	
Measurement alternative time	4s	
Response time	<1s	
Working life	>15 years	

5. Others

Power	5V 2A($\geq 2A$) DC power
Working environment	-20~60°C; 0~100%RH
Storage environment	-10~60°C; 20~70%RH
Warning	Sound+display warning
Warning output	√
Net weight	1531g
Dimension	400*230*34.5mm