Air Quality Sensor

CODE: HK-ARQL

The Air Quality Sensor is a compact and intelligent monitoring device designed to measure key indoor air pollutants in real time. It detects CO_2, TVOC, TVOC-AQI, and formaldehyde (CH_2O) levels with high precision, helping maintain a healthy and safe restroom environment.

MONITORING CAPABILITIES

- Temperature
- Humidity
- Oxygen (O_2)
- PM2.5
- Ammonia (NH_3)
- Hydrogen Sulfide (H_2S)

DATA REPORTING INTERVAL

Configurable via cloud platform

COMMUNICATION METHOD

BLE (Bluetooth Low Energy) Networking

POWER SUPPLY

3.7V 1350mAh Lithium-Ion Battery

DIMENSIONS

85 × 85 × 50 mm

TEMPERATURE

Range: -40°C to +125°C
Accuracy: ±0.2°C (within 0 – 65°C)
Resolution: 0.01°C

HUMIDITY

Range: 0 - 100% RH
Accuracy: ±2% RH
Resolution: 0.01% RH

OXYGEN (O_2)

Measurement Range: 0 - 30% VOL
Recommended Operating Range: 19.5 - 23.5% VOL

AMMONIA (NH_3)

Range: 0 - 100 ppm
Resolution: 0.01 ppm
Accuracy: ±1%

HYDROGEN SULFIDE (H_2S)

Range: 0 - 100 ppm
Resolution: 0.01 ppm
Accuracy: ±1%

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