TL Flair IAQ Monitor

The smart indoor air quality monitor designed for healthy and energy efficient commercial applications

The Air Monitoring Solution For Your Needs

The TL Flair IAQ Monitor is designed to work with customizable indoor sensors that can be integrated into the modular cartridge design as shown.

PM 0.1-2.5	(μg/m³)	12 / 35.4 / 55.4 / 150.4 / 0 / 500.4
TVOCs	(ppb)	221-660 / 661-1540 / 1541-2200 / 0-220 / 2201+
Carbon Dioxide	ppm	1001-1500 / 1501-2000 / 2001-10000 / 0-1000 / 10001+
Temperature	F˚	65 / 77 / 87 / 97 / 48 / 98+
Humidity	%	35 / 50 / 60 / 80 / 15 / 100
AQI		51-100 / 101-150 / 151-200 / 0-50 / 201-500

These cartridges are interchangable and can be specially made to sense a specific chemical that your facility may need to monitor.

- HCHO
- CO
- O3
- Harmful Nitrate
- Harmful Sulphates
- More
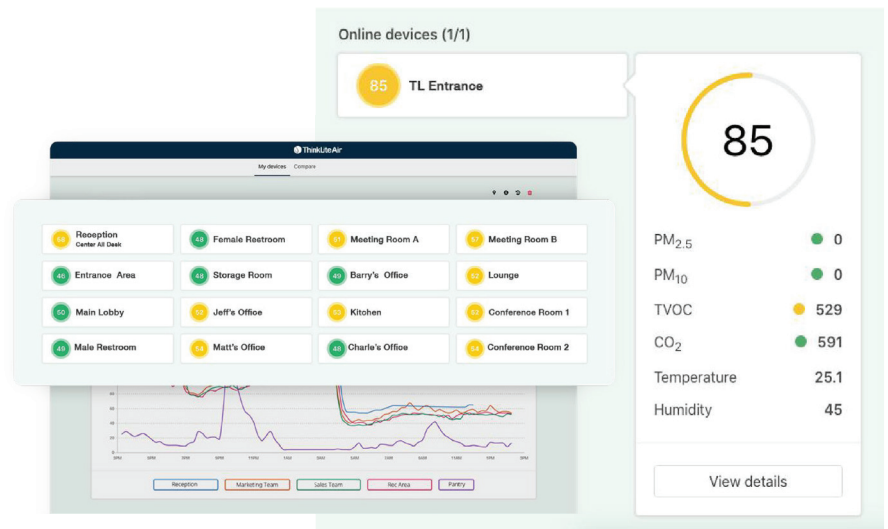
Hardware Features

- Customizable Sensor Modules

- Wi-Fi Connection

- Ethernet Port

- 8GB On-Board Memory

- Real Time Cloud Communication

- 8 hour battery life

- Micro SD Card Export/Secondary storage

- 7" Color Touchscreen Display

- 5000 sq.ft Area Size Coverage

Software Features

- Monitor and manage multiple devices

- Wi-Fi View real-time data and trends Connection

- SSL/TLS Encryption

- Identify sources of pollution

- Compare readings across devices

- Export historical data

- Receive notifications

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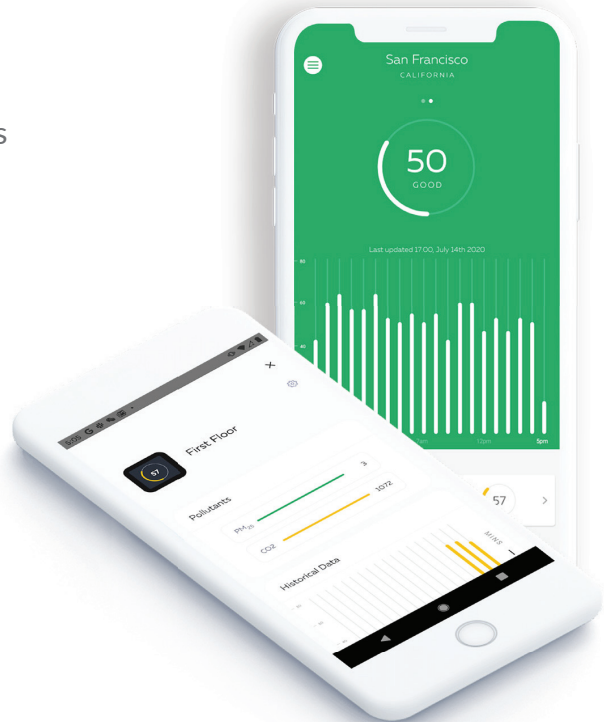
Quick Install

Table Mount with Portable Wall Socket

Wall Mount with Direct Wire Connection

Smart Building Automation

Optimize the performance of any appliances that are on a building management system (BMS), such as HVAC control, smart thermostats, lighting, etc. that pertain to air quality in the building using the flexible connectivity options available.

Seamlessly integrate to your building's automation control system through our open API, BACnet and any custom integration that may be required.

Security

Analytics

Modbus

Customization

Scalability

Open API

BACnet

Cloud and Local MQTT

Building Automation

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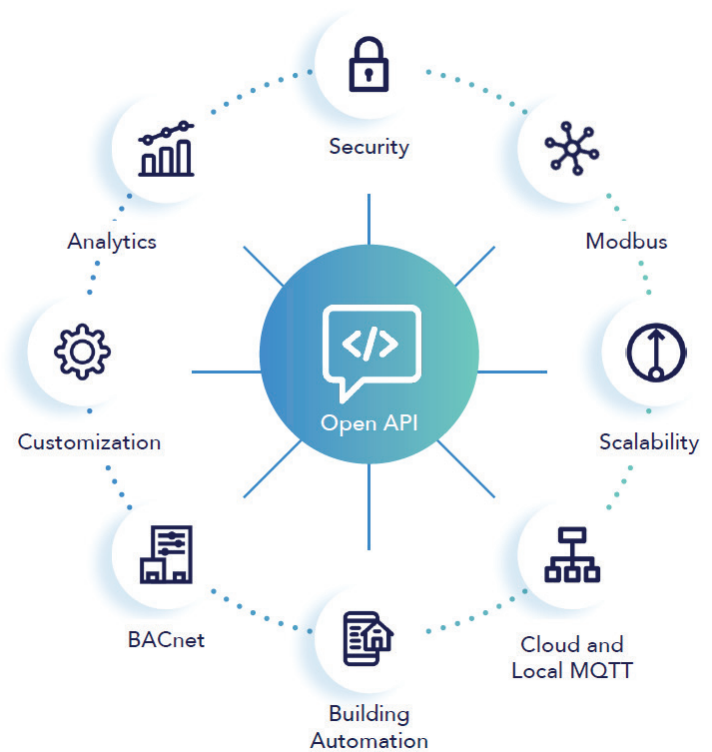
Product Specifications

Power Consumption: 10W

Battery: 5200mAh / 4.2V
Usage Time: 8 hrs

Warranty Durability: TL Flair IAQ :
5 year Warranty

Sensor Modules :
2 years

Accessories: Drywall anchors & screws,
USB cable, power adapter

Thinkness: 1.9"

Length: 7.2"

Width: 7.9"

Certifications: RoHS [REACH COMPLIANCE] [WEEE] KC FC [VDE] CE

	Sensor Type	Measuring Range	Sensor Output Resolution	Accuracy
Particulate Matter 0.1-2.5 ($PM_{0.1-2.5}$)	Laser Particle Sensor	1-1000µg/m³	1µg/m³	±10% (<30µg/m³:±3µg/m³)
Total Volatile Organic Compounds (TVOCs)	Metal Oxide Semiconductor Sensor (MOS)	0 - 60000ppb	1ppb	±5%
Carbon Dioxide (CO_2)	Non-Dispersive Infrared Detector (NDIR)	400 - 2000ppm	1 ppm	±3% ±50 ppm
Temperature	Digital Sensor	-4° - 212° F	1° F	±1° F
Humidity	Digital Sensor	0-99%RH	1%RH	±2%RH

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