



# AGRICULTURE SENSING DEVICE & DASHBOARD

Particulate Matter (PM2.5) , Wind Speed , Pressure , Light , Quantum... other parameters are available



T.RH.CO2 sensor probe



T.RH.CO2 Wall Mount



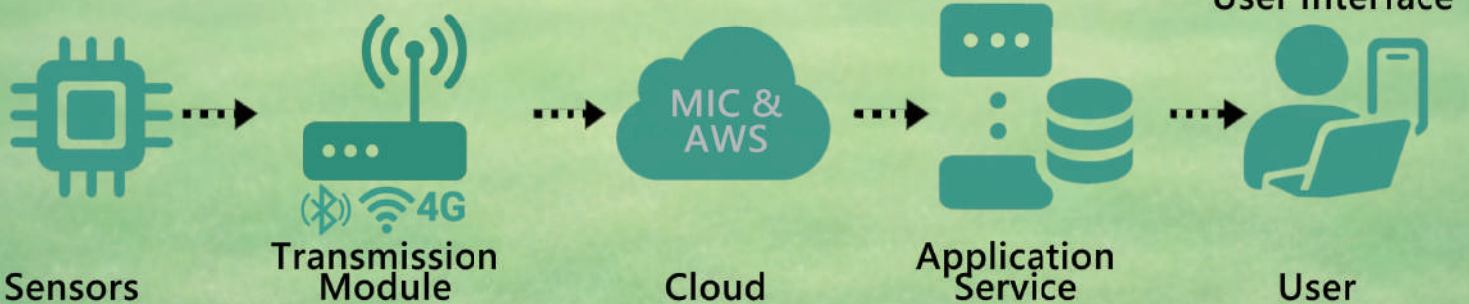
Thermo-hygro CO2 sensors & dashboard



Temp.RH% sensor & dashboard

## (IoT Devices) System Architecture

23.5°C  
52% RH



Set Hi/Lo threshold  
Time programming  
Integrated with  
remote control system device



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# AGRICULTURE SENSING DEVICES & DASHBOARD



CO<sub>2</sub> / Temperature / Humidity / Heat Index Display Board is designed for real-time environmental monitoring in greenhouses, mushroom farms, livestock houses, and indoor farming facilities.

With a clear LED display, it presents real-time CO<sub>2</sub> concentration, temperature, humidity, and heat index, allowing operators to quickly understand on-site environmental conditions at a glance.

In addition to the display board version, a cost-effective probe version is also available. Both versions feature built-in WiFi connectivity to transmit measurement data in real time to the cloud platform and display them instantly on the mobile APP, enabling users to easily monitor environmental conditions both on-site and remotely.

The system supports historical data records and abnormal condition detection, helping users improve production efficiency, optimize growing environments, and reduce management workload.

The wall-mounted design and durable enclosure make it suitable for long-term operation in agricultural and industrial sites. This monitoring system is an ideal solution for smart farming applications, supporting data-driven management and precision agriculture practices.



## CO<sub>2</sub>, TRH, HEAT INDEX MONITOR SPECIFICATION



Product Type	LED Display Board / Wall-mounted Sensor / Probe Version
Application	Greenhouse, Mushroom Farm, Livestock Farm, Indoor Agriculture
Measured Parameters	CO <sub>2</sub> , Temperature, Humidity, Heat Index(optional)
Wireless Connectivity	Built-in WiFi
CO <sub>2</sub> Measurement Range	0 ~ 9,999 ppm
CO <sub>2</sub> Accuracy	±75 ppm + 5% of reading
CO <sub>2</sub> Recommended Operating Range	400 ~ 5,000 ppm
Temperature Measurement Range	0 ~ 50°C
Temperature Accuracy	±1°C(0~40°C) · others ± 1.5°C
Humidity Measurement Range	0 ~ 99.9 %RH
Humidity Accuracy	±5%RH (25°C, others ±7%RH)
Power Supply	DC9V (Wallmount, Probe) DC 12V (LED Display Board)
Data Upload Interval	Uploads data every 5 minutes
Data Storage	Automatically stores latest one year of records
LED Display Board Size	315 * 220 * 50 mm
LED Display Board Weight	1.3 kgs
Wall-mounted Sensor Size	105 * 115 * 55 mm
Wall-mounted Sensor Weight	0.26 kg
Probe Size	140 * 35 * 30 mm
Probe Weight	0.135 kgs