

## MEASUREMENT

### DIFFERENTIAL PRESSURE (Sontay)

For air and liquids, including low water pressure switches.

Types: analog or ON/OFF contact.

Accuracy: 0.4 to 1% depending on model.

Used in HVAC, clean rooms, network monitoring.



### RADAR LEVEL (Sontay)

Non-contact measurement, high precision for liquids.

Suitable for open or closed tanks.

Simple installation, low maintenance.

### AIR VELOCITY (Sontay)

Hot-wire or dynamic pressure sensors.

Outputs: 0–10 V, 4–20 mA, or pulse.

Accurate air flow measurement in ducts.

Ideal for HVAC and AHU control.



### AIR QUALITY (Sontay)

CO<sub>2</sub>, VOCs, fine particles (PM).

Continuous indoor environmental monitoring.

Optimizes comfort and energy efficiency.

### TEMPERATURE & HUMIDITY SENSOR (Sontay)

Combined or separate probes.

Outputs: 0–10 V, 4–20 mA, Modbus/RS 485.

Ambient, duct, or outdoor versions.

For precise thermal comfort management.



# SOLUTION : LoRaWan

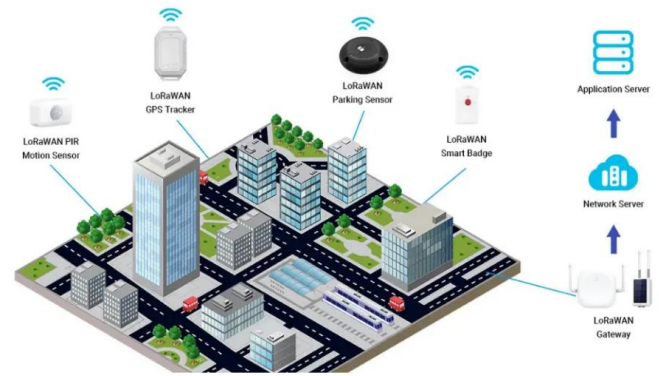
## LONG-RANGE TRANSMISSION

Wireless radio technology.

Ideal for: schools, offices, public buildings.

Range: up to several kilometers (depending on environment), even through walls or floors.

Minimal power consumption: battery life up to 10 years.



## DATA SECURITY & RELIABILITY

End-to-end AES 128-bit encryption: guaranteed confidentiality.

Interference-resistant: stable communication.

Suitable for sensitive uses: thermal comfort, air quality, occupant health.

## EASY & FAST INTEGRATION

Gateways: link between wireless sensors and the system.

Simplified commissioning: no cabling, remote configuration possible.

Compatible with common supervision tools.



## FLEXIBILITY & SCALABILITY

Modular installation: sensors can be repositioned without work.

Adapted for renovations, changes in use, or layout updates. Ideal for agile and scalable energy management in public and tertiary buildings.



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