

Overview

DT322 is an advanced, configurable indoor odor sensor aimed at building automation. Users can monitor the level of amine series, sulfur gas, temperature, humidity remotely through built-in LoRaWAN wireless module. The outputs are 0-30 PPM.

Widely applicable for smart public toilets, garbage room, public spaces, etc

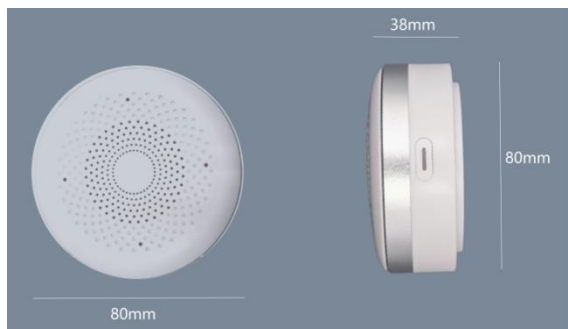


Key Features

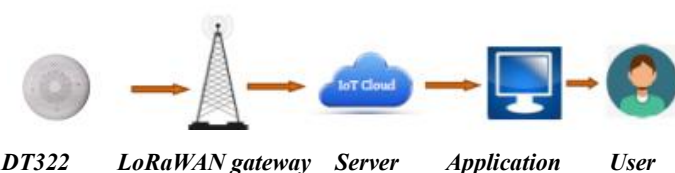
- ✓ Detection of multiple gases
- ✓ LED indicator
- ✓ Remote control and monitoring
- ✓ Wireless connectivity LoRaWAN
- ✓ Low power consumption
- ✓ Battery powered or DC powered
- ✓ Quick & easy set up
- ✓ Open protocol
- ✓ Easily accessible

Mechanical Size

Dimension: 80*80*38mm



Network Diagram

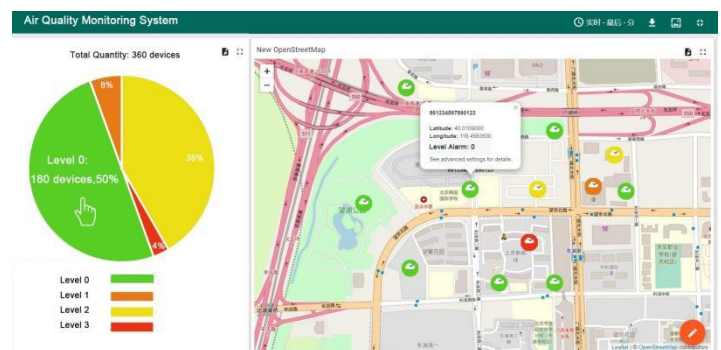


When the device detects the status of odor, it sends a frame to the gateway, then gateway forward to cloud server, then to application. Finally user can monitor the status remotely.

Specifications

- ✓ Odor Measurement Elements: amine series, sulfur gas
- ✓ Temperature Measurement: -30~+85°C (±0.3°C)
- ✓ Humidity Measurement: 0-90% (±2%RH)
- ✓ Odor Output Level: 0-30PPM;
- ✓ Power Consumption: Upload ≤600mA; Detection ≤100mA
- ✓ Internal Battery: 1000mAh@ 3.7V Lithium Battery, Life time 10 days.
- ✓ Recharge Interface: Micro-USB 500mA@5V
- ✓ Recharge LED: Red: not full battery; Blue: Full battery.
- ✓ LoRaWAN Band: CN470/EU868/AU915 /US915/ AS923,etc, optional.
- ✓ LoRaWAN MAC: 1.0.3
- ✓ LoRaWAN Activation: OTAA
- ✓ Working Environment -40 ~ 85°C, 5 ~ 95%RH

Application



Users can check data CNDINGTEK’s software application or their own software applications.