

Introduction

sensor is a compact indoor ambience monitoring sensor for measurement of PM2.5,PM10 .

sensor is widely used for offices, stores, classrooms, hospitals, etc.

sensor data is transmitted using LoRaWAN[®] technology. Combining LoRaWAN[®] gateway and IoT Cloud, users can manage all sensor data remotely and visually.

Features

Compliant with standard LoRaWAN[®] gateways and network servers

Quick and easy management with any IoT Cloud

Specifications

Model	
Wireless Transmission	
Technology	LoRaWAN [®]
Frequency	EU868/US915/AU915
Tx Power	22dBm(915MHz)
Sensitivity	-137dBm @300bps
Work Mode	Class A
Sensors	
PM2.5 & PM10	
Range	0 - 1000 µg/m ³
Accuracy	0-100(±10µg/m ³), 100-1000(±10 %)
Resolution	1 µg/m ³

Display & Configuration	
Button	NO
DISPLAY	NO
Configuration	PC software by MINI- USB
Physical Characteristics	
Power Supply	5V/1A by MINI-USB Port
Operating Temperature	-20°C - 50°C
Relative Humidity	10% - 90% (non-condensing)
Ingress Protection	IP30

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.