

Airlar

Efficient Air Quality Measurement System and Platform with IoT Devices.

Airlar is a detailed air quality measurement system developed with IoT devices and a software platform to monitor and analyze control systems or monitoring systems to suit specific needs without affecting the system.



ARM Cortex-M



4G



Micro SD card



RS485 / RS232

Key Features



Efficiency

Can measure various values related to air quality, such as sulfur dioxide, nitrogen dioxide and PM 2.5 etc.



Customization and Flexibility

Support customization or additions to specific requirements, such as dust, sulfur dioxide, nitrogen dioxide, carbon monoxide, etc.



Easy installation and compatibility

Adopts Plug and Play principle which makes it easy to integrate with existing systems.



Easy to use

Has a clear information show on display screen and status lights.



Strong and durable

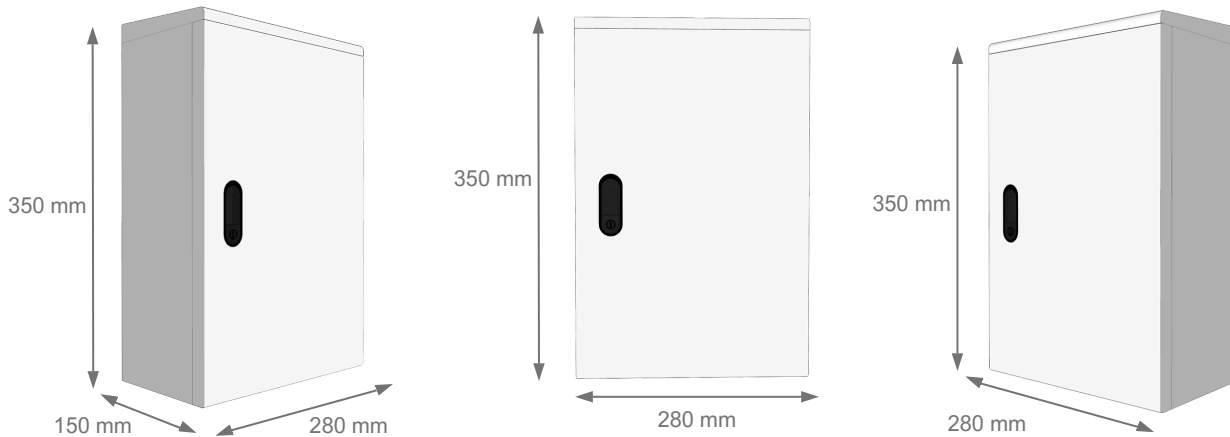
It is an aluminum enclosure with a lid and roof, dustproof, waterproof, and unbreakable.



Weather Station

Overview

Structure of the IoT box



Weather Station

A Weather Station collects and records data on temperature, humidity, wind speed and direction, atmospheric pressure, and rainfall. This information is essential for weather forecasting and climate studies. Automatic stations can transmit real-time data via the internet or other systems.

Technical Information

Parameter	Measurement Range	Accuracy
Humidity	-20 %RH ~ 95 %RH	±3 %RH (60 %RH, 25 °C)
Temperature	-40 °C ~ +120 °C	±0.5 °C (25 °C)
Brightness	0 ~ 200 kLux	±7% (25 °C)
Noise	30 dB ~ 130 dB	±3 db
PM10 PM2.5	0 ~ 1000 µg/m3	±10% (25 °C)

Product Description

MCU	ARM Cortex-M 32- bit RISC ARM Processor cores
Interface port	RS485 or RS232 isolation with auto-direction (Software mode selection) Rs485 or I2C with auto - direction
Indicator lamp	Includes 2 status indicator LEDs
Memory	512 KB
Power supply	24 V
USB type C port	Program Upload
IoT control box	Waterproof
Clock speed	240 MHz
IoT size box	H: 500 x W: 350 x D: 280 mm
Weight	6 kg