

## Description

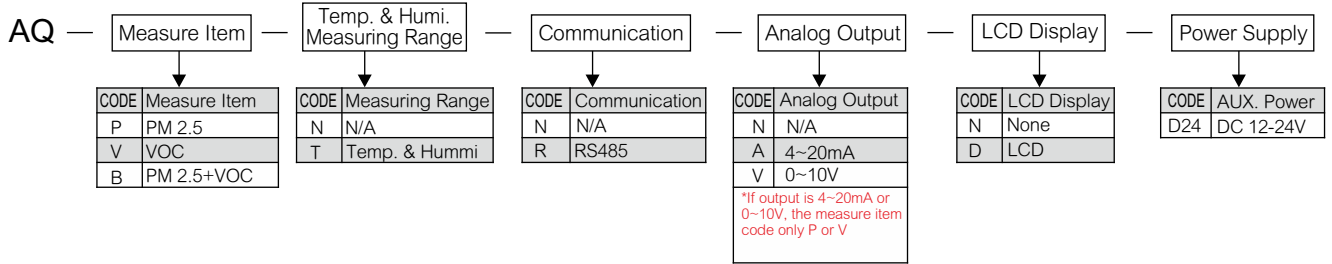
High-precision sensor to ensure long-term stability and reliability of the instrument  
 Circuit designed to measure accurately the full scale  
 Short stabilization time  
 Structural Design of aerodynamic theory, automatic real-time sampling  
 Structural design is simple, easy to maintain



## Applications

Production Line , Warehouse , Public Places , Intelligent Building  
 Smart Home , Building Automation

## Ordering Information



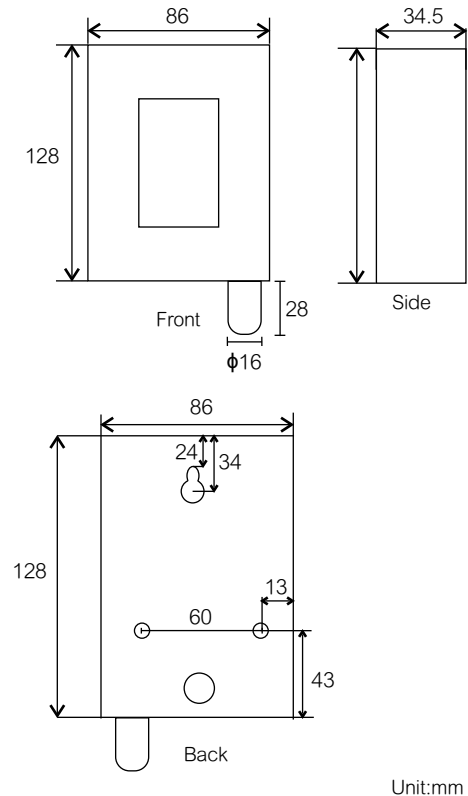
## Technical Specification

PM2.5	
Sensor Type	Laser Type PM2.5 Sensor
Measuring Range	0~500 $\mu\text{g}/\text{m}^3$
Relative Error	$\leq 5\%$
Warm Up Time	3 Minutes
Resolution	$1\mu\text{g} / \text{m}^3$
Response Time	<30 Sec
VOC	
Sensor Type	Semiconductor gas sensor
Gas type	Ammonia, Formaldehyde, Alcohol, Organic volatile gases ; Smoke of cigarettes, wood, paper burning
Measuring Range	0-100ppm
Resolution	0.1ppm
Relative Error	$\leq 5\%$
Sensitivity Attenuation	$\leq 1\%$ year
Satbility	< 2%
Operating Life	$\geq 7-10$ year
Temp. & Humi.	
Sensor Type	Digital capacitance sensing element
Temp. Range	-20~80°C
Resolution	0.01°C
Relative Error	$\leq \pm 0.35\%$
Humi. Range	0~100%RH
Resolution	0.01%RH
Relative Error	$\leq \pm 2\%$
Satbility	<1%RH/year <0.1°C/year
System	
Power Supply	12-24 Vdc $\pm 10\%$
Power Consumption	1.8W / Average
Communication	Modbus RTU (RS485) ; Baud Rate: 9600 (Default) , 14400 , 19200 , 28800 , 38400 bps
Operating Temp. & Humi.	0~50°C (32~122°F) ; 20~95%RH
Material	PC
IP Enclosure	IP20
Storage Temp.	-40~70°C (-40~158°F)
Weight / Dimensions	200g / 128X86x34.5mm

## Installation

Wall Mounting

## Dimensions



## Connection Diagram

