

Modular Ambient Air Quality Monitor



Smart Agriculture, Smart Building, Smart City, Smart Facility, Smart Farm

SKU: MAQM

MODULAR AMBIENT AIR QUALITY MONITOR MAQM



MAQM-H1.JPG

Safe Zone

Hazardous Zones

MAQM is an outdoor ambient air quality monitor with a modular design and smart features. With ModbusRTU or ModbusTCP connection, it can be easily integrated into your existing BMS, PLC, SCADA system in your facility. With Wifi, Ethernet or NB-IoT version, it can connect to Globiots platform or any IoT platform for remote monitoring and data analysis. For Sigfox and LoRaWAN versions, customers can connect to Sigfox network or any LoRaWAN® Network Server. Customers can choose different types of sensors to integrate into the main device such as temperature, humidity, noise, PM1.0, PM2.5, PM10, NO₂...

This MAQM is used in office buildings, schools, hospitals, factories, warehouses, laboratories, construction sites... or any facility.

Applications

Ambient Air Quality Monitor

Notes For Applications

Modular Design

Customers can choose from different measurement modules such as temperature, humidity, noise, PM1.0, PM2.5, PM10, and NO₂...

Multiple Connectivity

Supports many different connection standards such as LoRaWAN, Sigfox, NB-IoT, Cat M1, RS485, WiFi, and Ethernet

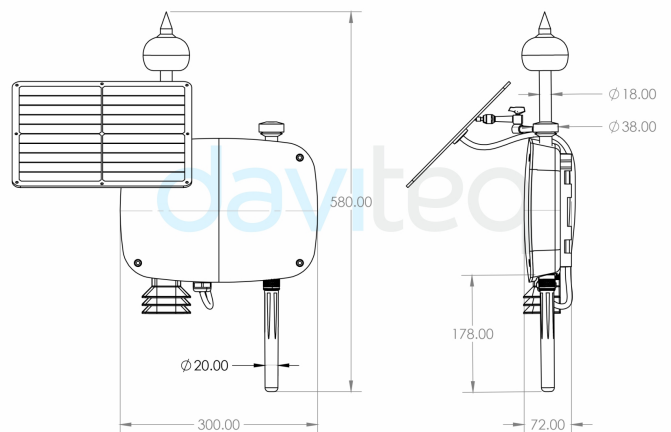
Support Solar Power

Use Solar panel together with rechargeable batteries

Outdoor IP66

Designed to be installed both indoors and outdoors

DIMENSION DRAWING (Unit: mm)



MAQM-H2.JPG

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Specification

Modular parameters	Humidity, Temperature, PM1.0, PM2.5, PM10, CO, O ₂ , SO ₂ , NO ₂ , Sound Level etc.
Sensor parameters	Refer to this link
COMMUNICATION	
Connection	Sigfox RC1 to RC7
	LoRaWAN Multi-Band Worldwide
	RS485 ModbusRTU
	WiFi 2.4GHz
	Ethernet 10Mbps
Working temperature	-20~60°C
Working humidity	0~95% RH
Housing	Powder coated die-cast aluminum housing, IP66
Power	9~36VDC with rechargeable battery (8 x Panasonic® Eneloop™ Standard tablets, customer supplied)
Dimensions	580x300x72mm
Net weight	< 3000g

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CONNECT WITH IoT GATEWAY



LEET-M-H3.PNG

CONNECT WITH WIRELESS TRANSMITTER



LEET-M-H4.PNG

PRODUCT PACKAGE

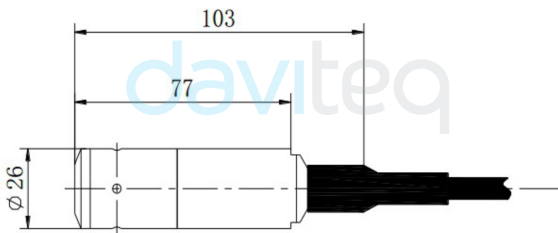


LEET-M-H5.PNG



LEET-M-H6.PNG

DIMENSION DRAWINGS



LEET-M-H7.PNG

WIRING

FLYING LEADS

Wire color	Connection
Black	+V
Red	0V/+OUT

M12-F CONNECTOR




LEET-M-H8.PNG


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Ordering Information

ITEM CODE	DESCRIPTIONS
MAQM-LRW-01S	Modular outdoor ambient air quality monitor, multi-band LoRaWAN, 9~36VDC power supply, holders for 8 rechargeable AA 1.2V batteries
Select at least one sensor module as follows	
MBRTU-ATH-11IR	Outdoor temperature and humidity sensor, with rain-guard
MBRTU-SL-01	Noise sensor, 30-130 db(A)
MBRTU-OPC-02I	Outdoor Dust Sensor PM1-PM2.5-PM10
Accessories	
SOLAR-PN-9W18V-ETFE-01	Solar panels, type 9W 18V, ETFE coated, lifespan 5-7 years, M12-F connector with mounting accessories for MAQM

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