

KNX Ultrasonic Integrated Weather Station

Model No: LMX SSG.A0801

Profile

- KNX small ultrasonic integrated weather station, using standard KNX communication protocol, integrates wind speed, wind direction, temperature and humidity, PM2.5 and PM10, light, atmospheric pressure and rainfall.
- It is suitable for measuring environmental temperature and humidity, wind speed and direction, air quality, atmospheric pressure and rainfall in the KNX system.
- The product is safe and reliable, beautiful in appearance, easy to install and durable.

Features

- Wind speed and wind direction are measured by ultrasonic principle, no angle limit, 360° all-round, and the data of wind speed and wind direction can be obtained at the same time;
- PM2.5 and PM10 simultaneous collection, range: 0-1000ug/m3, resolution 1ug/m3, unique dual-frequency data acquisition and automatic calibration technology, consistency up to ±10%;
- Wide range of 0-120Kpa barometric pressure range, can be applied to various altitudes;
- The rainfall is measured by optical principle, which is easy to maintain as a whole and is not easy to be covered by fallen leaves; The device with built-in electronic compass has no direction requirement when installing, and it can be installed horizontally.
- This product is small size, made of high-quality anti-ultraviolet material, has a long service life
- It adopts a high-sensitivity detector, with stable signal and high precision.
- The key components are imported devices from Switzerland, which are stable and reliable, and have the characteristics of wide measurement range, good linearity, good waterproof performance, easy to use, easy installation, and long transmission distance.

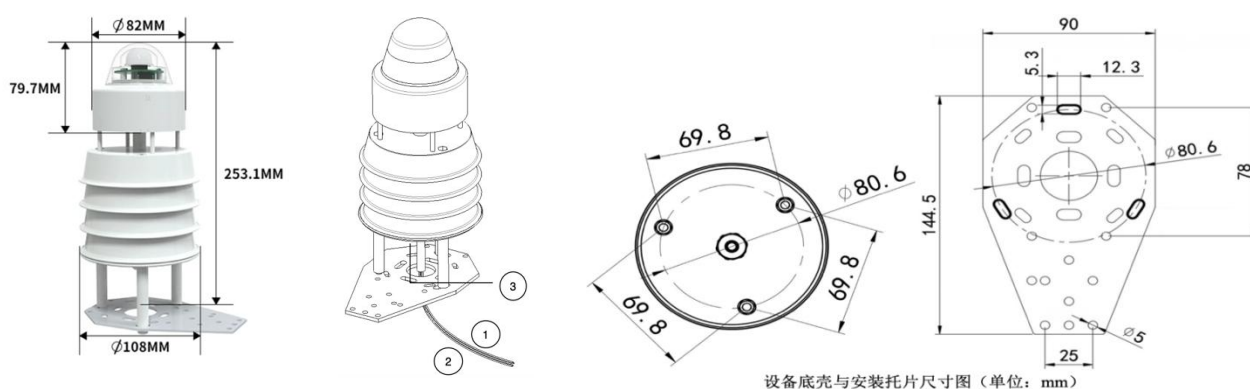
Technical Parameters

Model No	LMX SSG.A0801	
Brand	LAMMIN	
Input Signal	KNX signal	
Bus Power	KNX 24-30V DC	
Auxiliary Power	DC 24-30V	
Shell Material	Plastic	
Certification	CE	
Working Temp	-20°C~+50°C	
Warranty	3 years	
Size(L*W*H)MM	108*253	
Installation	Flat mounting	
Photo		

Product Inspection Parameters and Resolution

Precision	Wind speed	±0.5+2%FS
	Wind direction	±3o
	Humidity	±3%RH(60%RH,25OC)
	Temperature	±0.5oC(25o)
	Atmospheric pressure	±0.15Kpa@25oC 101Kpa
	PM2.5	±3%FS(@100ug/m3、25OC、50%RH)
	Light intensity	±7%(25o)
Range	Wind speed	0-40m/s,wind speed start 0.5m/s
	Wind direction	0-359O
	Humidity	0%RH - 99%RH
	Temperature	-40OC - +80OC
	Atmospheric pressure	0 - 120Kpa
	PM2.5	0 - 1000ug/m3
	Light intensity	0 – 20w Lux
Time	Wind speed	1S
	Wind direction	1S
	Humidity	≤1s
	Temperature	≤1s
	Atmospheric pressure	≤1s
	PM2.5	≤90S
	Light intensity	≤0.1s
Optical Rainfall	Precision	±5%
	Resolution	Standard 0.1mm
	Maximum rainfall	24mm/min
	Rain-sensing diameter	6cm
Protection	IP54	

Wiring Diagram and Installations



- 1) KNX Bus power input red and black 2)Auxiliary power supply input yellow and white 3)Programming button and indicator

Equipment list: 1 * integrated KNX weather station; 1* white bracket, 2* M4*10 screw nuts; 3* M5 screw nuts