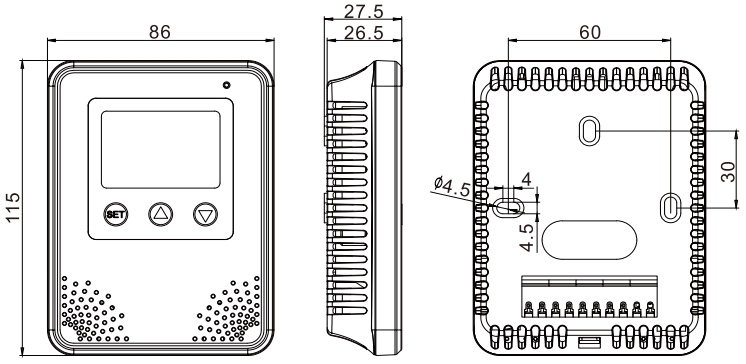
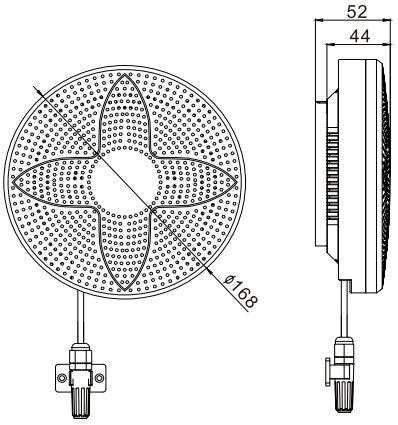
LEFOO

LFG60

All-in-one air quality Transmitter



LFG601 Indoor type



LFG602 Top-suction type

Dimension in : mm

LFG60 Al-In-One Air Quality Transmitter is used to detect a variety of air quality parameters, including temperature and humidity, CO2, PM2.5, PM10, VOC, formaldehyde, up to 7 parameters; optional isolated/non-isolated Rs485 output, built-in Modbus protocol, realize real-time detection of multi-point distribution data. indoor type can be equipped with display screen and keys, and the split screen can display air quality parameters. By configure communication parameters, the three-color LED indicator can be equipped to directly indicate the air quality situation ;both indoor type and top suction type can configure RS485 communication address through dialing code. The product has wide power supply range and perfect overvoltage and reverse connection protection ;it can be widely used in multi-parameter air quality monitoring in various commercial complexes, intelligent building, office environment ,hotels,airports and schools.

LFG60 Order Ref No

LFG60	1-		1	1	1	1	1	-	Rs0	-	D	-	L
	A		B	C	D	E	F		G		H		I

A Installation method	B Temp&RH	C CO2	D PM	E VOC	F Formaldehyde
1=Indoor type	0=N/A	0=N/A	0=N/A	0=N/A	0=N/A
2=Top suction type	1=T&RH	1=CO2	1=PM2.5&PM10	1=VOC	1=HCHO

G Output	H Display button(for Indoor Type)	I Indication light(for Indoor Type)
RS0=Non-isolated RS485	D=With display button	L=With 3-color LED
RS1=Isolation type of RS485	N=Without display buttons	N=None

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Specification

Temperature		Relative humidity	
Sensor	Digital temperature sensor	Sensor	Digital humidity sensor
Range	0~50℃	Range	0~100%RH
Accuracy	±0.5℃@20℃； ≤±1℃@0~50℃	Accuracy	Typical±3%RH@20℃&20to80%RH
Response time	10~30S (20℃, slow flow air)	Response time	≤10S (20℃, slow flow air)
PM2.5/PM10			
Sensor	Laser dust sensor, detection particle size 0.3~10μm		
Range	PM2.5:0~500μg / m^3, with a particle size of 0.3~2.5μm		
	PM10:0~600μg / m^3, particle size 0.3~10μm		
Precision/consistency	PM2.5: ±10μg / m^3@0~100μg /m^3, ±10%FS@100~500/600μg /m^3, @25℃		
Resolution ratio	1μg /m^3		
Response time	Continuous measurement mode with single response time <1S, Integrated response time <10S		
CO2			
Sensor	The NDIR sensor, with the ABC self-check function		
Range	0~5000ppm		
Accuracy	(±40ppm±3%MV)ppm		
Response time (T_{90})	2min		
VOC		**Formaldehyde**	
Sensor	Metal oxide semiconductor gas sensor	Sensor	Electrochemical-type gas sensor
Range	0~2ppm	Range	0~1ppm
Resolution ratio	1ppb	Accuracy	±10%FS@25℃
Preheating time	First power-up for 1 hour; pre-heat for 3min	Response time (T_{90})	<120S

Power Supply Voltage	12～36VDC / 24VAC±20%
Output Signal	Isolation / non-isolated RS485
Work Environment	0~50℃ & 0 ~ 95% RH (no condensation)
Storage Temperature	-20~60℃ & 0 ~ 95% RH (no condensation)
Display and Buttons	Indoor type can be optional
LED pilot lamp	Indoor type can be optional Green: good air quality yellow: air quality is generally red: poor air quality
Levels of Protection	IP30
Way to Install	Indoor type, Top-suction type
Case Material	Indoor type: PC Top-suction type: ABS
Weight	Indoor type: 148g Top-suction type: 235g

Note: When using 24VAC as the power supply, it need be an isolated power supply.