

LFM108 Differential Pressure Transmitter LEFOO 力夫

Features

- Adopt micro-pressure core, sensitive pressure response
- Digital pressure acquisition and temperature compensation
- Strong stability and long service life
- Measure the precise pressure and flow required for building pressurization and air flow control



Description

This product is suitable for heating, ventilation and air conditioning (HVAC), energy management systems, VAV and fan control, environmental pollution control, static pipelines and clean room pressure, smoke hood control, oven pressurization and furnace ventilation control, etc.

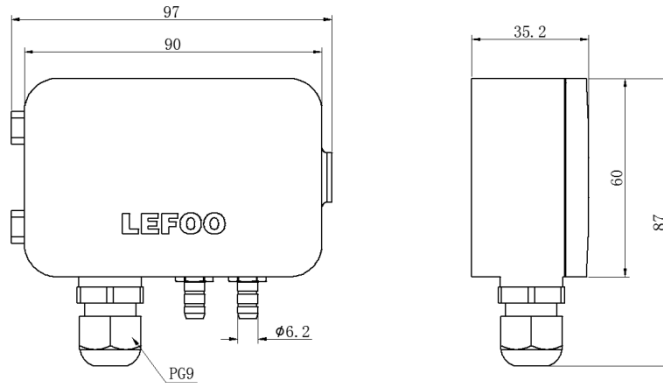
LFM108 pressure sensor detects differential pressure or gauge pressure, and converts this differential pressure into a proportional electrical signal output. LFM108 has an analog output of 0~5/10Vdc or 4~20mA for building energy management systems. This transducer can measure the precise pressure and flow required for building pressurization and air flow control. LFM108 adopts imported pressure core, which has the characteristics of sensitive pressure response, stable long-term output, and superior temperature performance.

Specification

Pressure Range	0~±100Pa, 0~±1,000Pa, 0~±10,000Pa			
Overload Pressure	5Kpa (±100Pa), 10Kpa(±1000Pa),80Kpa(±10KPa)			
Accuracy	±1%F.S			
Stability	Typical value: 0.1%F.S Maximum value:0.2%F.S			
Storage Temperature	-20°C~70°C			
Compensation Temperature	-10°C~60°C			
Protection Grade	IP54			
Electrical Connection	Two-wired	Three-wired	Four-wired	Five-wired
Output Signal	4-20mA	0~5V;0~10V	RS485	0~10VDC;RS485
Power Supply	10~30VDC	16~30VDC	12~30VDC	16~30VDC
External Load	0~5/10VDC≥50KΩ 4-20mA≤250Ω			
Power Consumption	≤1.5W			
Pressure Interface	Metal barbed interface,Ø 6.2 mm			
Shell Material	UL94-V0/ABS industrial plastics			
Communication	RS-485 standard interface,Modbus RTU protocol			
Certification	ROHS certification,CE certification			
Electromagnetic Compatibility	Electromagnetic radiation:EN50081-1/-2;Electromagnetic sensitivity:EN50082-2			
Lightning Protection	Air conduction withstand voltage 8000V, shell and cable conduction withstand voltage 4000V (can be customized according to requirements)			
Response Time	0.5s/1.0s/2s/4s			
Cable Connector	Cable maximum diameter Ø8mm			
Weight	140g			

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Dimension in : mm



Order Ref No.

Code and description				Remark
LFM108				Model
101D	101D=0±100Pa	101G	101G=0-100Pa	Measuring Range G means one-way D means two-way
102D	102D=0±1000Pa	102G	102G=0-1000Pa	
251D	251D=0±250Pa	103G	103G=0-10000Pa	
252D	252D=0±2500Pa	251G	251G=0-250Pa	
051D	051DD=0±50Pa	252G	252G=0-2500Pa	
501D	501D=0±500Pa	501G	501G=0-500Pa	
502D	502D=0±5000Pa	502G	502G=0-5000Pa	
103D	103D=0±10000Pa			
	AL	4~20mA		Output Type
	VL	0~10V		
	VZ	0~5V		
	MOD	RS485		
	MVL	RS485、0~10VDC		
	MVZ	RS485、0~5VDC		

LFM108	102G	VZ	Selection Example
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