

LFM11 Differential Pressure Transmitter

FEATURES

- Pressure range can be set on site through the built-in DIP switch.
- The response time (0.5s - 4s) can be adjusted through the built-in DIP switch.
- The product is fixed by installing backboard, which can be flexibly disassembled.
- Adopt flame-retardant ABS shell, with good impact resistance, heat resistance and other properties
- Intuitive LCD digital display



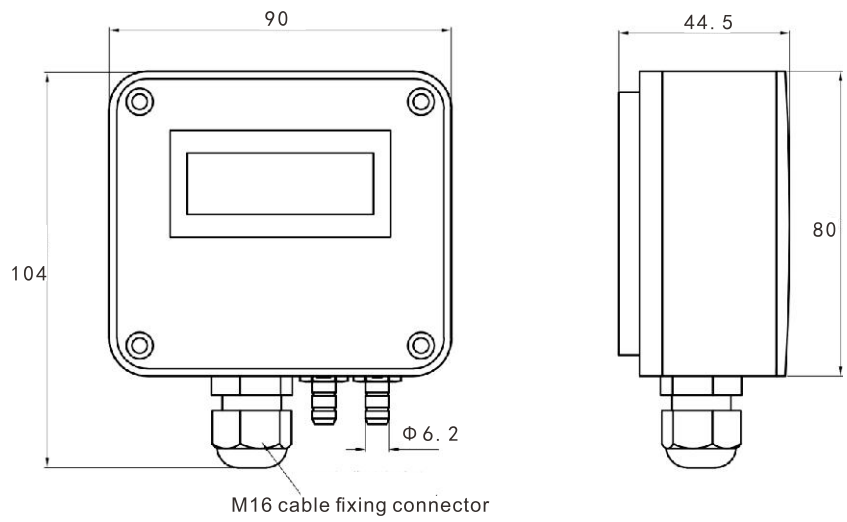
DESCRIPTION

LFM11 series differential pressure transmitter adopts high-precision MEMS sensor, digital pressure acquisition and temperature compensation method; it has the characteristics of sensitive pressure response, long-term stable output, and excellent temperature performance. It can detect positive pressure, negative pressure or differential pressure. It is widely used in the monitoring of air or neutral gas. Various pressure units can be set inside, and range switching can be performed on site. It can be used for differential pressure detection in applications such as fans, blowers, filters, furnace ventilation, purification workshops, nuclide inspection booths and building ventilation.

SPECIFICATION

Testing Medium	Air or neutral gas				
Pressure Range	±100Pa,±1000Pa,±10000Pa				
Overload Pressure	5kPa(LFM116);10kPa(LFM110),80kPa(LFM112)				
Accuracy	±1%F.S		Protection Grade	IP54	
Working Temp	-10℃~60℃		Storage Temp	-20℃~70℃	
Compensation Temp	-10℃~60℃		Response Time	0.5s/1s/2s/4s	
Pressure Connection	Metal barbed connection, Ø6.2mm				
Electrical Connection	2-wired	3-wired	4-wired	5-wired	6-wired
	4-20mA (No backlight display)	0~5V 0~10VDC	RS485	0~10VDC RS485	4-20mA 0~5/10VDC
Power Supply	12~30VDC	16~30VDC	12~30VDC	16~30VDC	16~30VDC
Power Consumption	≤1.5W				
Shell Material	UL94-V0/ABS industrial plastic				
Communication	RS-485 Standard interface, Modbus RTU protocol				
Certifiaction	RoHS Certification, CE certification				
Electromagnetic Compability	EN 61326-1				
Display Mode	LCD Backlight digital display				
Weight	166g				

DIMENSION (mm)



ORDER REF NO.

Code and description					Remark		
LFM11					Model		
		6	-100~100Pa			Pressure Range	
		0	-1000~1000Pa				
		2	-10000~10000Pa				
		0		With display		Display Mode	
		N		Without display			
				A	4~20mA and 0~10VDC (Simultaneous output)		Output Type
				B	4~20mA(2-wired) (No backlight)		
				C	0~10VDC (3-wired)		
				D	0~5VDC (3-wired)		
				E	RS-485 communication		
				F	0~10VDC&RS485		
				C	±1.0%FS		Accuracy
LFM11		0	0	B	C	Selection Example	