

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.



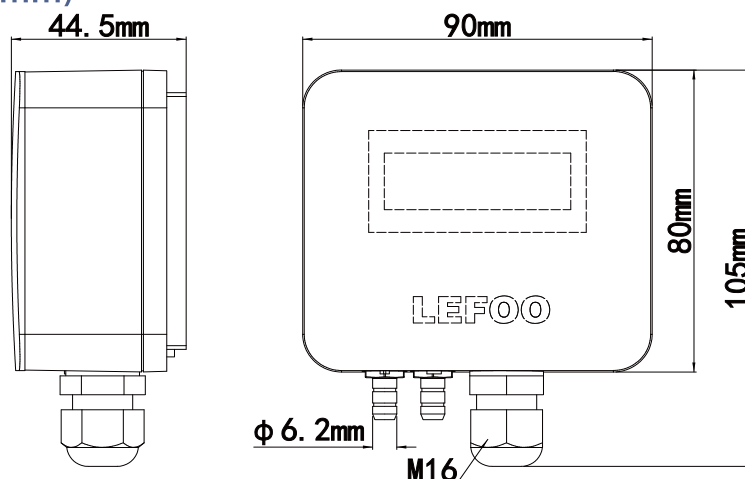
DESCRIPTION

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	$\pm 100\text{Pa}$, $\pm 1000\text{Pa}$, $\pm 10000\text{Pa}$				
Overload Pressure	5Kpa(LFM116); 10Kpa(LFM110); 80Kpa(LFM112);				
Accuracy	$\pm 1\%$ F.S				
Working Temp	$-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$				
Compensation Temp	$-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$				
Storage Temp	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$				
Response Time	0.5s/1s/2s/4s				
Protection Grade	IP54				
Pressure Connection	Metal barbed connection, $\varnothing 6.2\text{mm}$				
Electrical Connection	2-wired	3-wired	4-wired	5-wired	6-wired
Signal output	4~20mA (No backlight display)	0~5V 0~10V	RS485	0~10V RS485	4~20mA 0~5/10V
Power Supply	12~30VDC	16~30VDC	12~30VDC	16~30VDC	16~30VDC
Power Consumption	$\leq 1.5\text{W}$				
Shell Material	UL94-V0/ABS industrial plastic				
Communication	RS-485 Standard interface, Modbus RTU protocol				
Certification	ROHS Certification, CE certification				
Electromagnetic Compatibility	EN 61326-1				
Display Mode	LCD Backlight digital display				
Weight	166g				

DIMENSION(mm)



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