

FEATURES

- Adopt high accuracy of MEMS differential pressure sensor, wide temperature compensation, sensitive pressure response.
- 5-digit LCD digital display.clear in appearance.
- Zero point button available on site, optional pressure range.
- Strong stability, long service life.
- Protect level IP65.



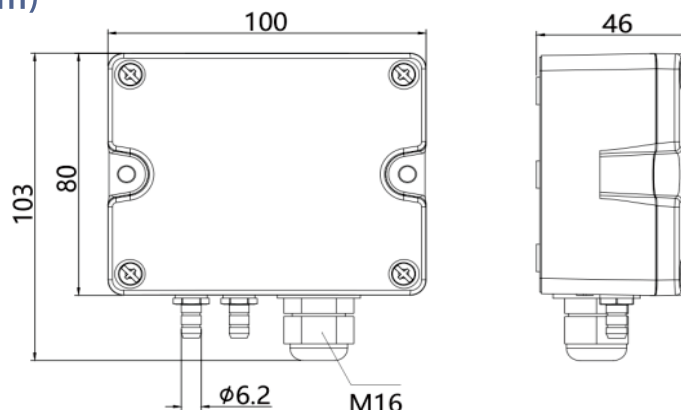
DESCRIPTION

LFM52 differential pressure transmitter is the latest release. It has flexibility of multi-range sensor, high function of single range sensor, and is ideal for industrial application. The differential pressure transmitter has built in multiple optional pressure range and unit selection, and is easily to adjust through built-in DIP switch. The shell protect is IP65 and equipped with stainless steel conduit for convenient wire arrangement. It is widely used in HVAC, energy management system, VAV and fan control, clean room pressure, smoke hood control, oven pressurization, furnace ventilation, furnace ventilation control etc.

SPECIFICATION

Measured Medium	Air or Neutral gas			
Measurement Range	$\pm 100\text{Pa}$, $\pm 1000\text{Pa}$, $\pm 10000\text{Pa}$			
Overload Pressure	5KPa(LFM526);10KPa(LFM520);80KPa(LFM522);			
Accuracy	$\pm 1\%\text{F.S}$			
Working Temperature	$-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$			
Compensation Temperature	$-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$			
Storage Temperature	$-40^{\circ}\text{C}\sim 70^{\circ}\text{C}$			
Response Time	0.5s(Default)/1.0s/2s/4s			
Protection Degree	IP65			
Pressure Connection	Metal barbed interface, $\varnothing 6.2\text{mm}$			
Electrical Connection	2-wired	3-wired	4-wired	6-wired
Signal output	4~20mA(No backlight)	0~5V/0~10V	RS-485	4~20mA&0~10V
Power supply	12~30VDC	12~30VDC/24VAC $\pm 20\%$	9~30VDC	12~30VDC/24VAC $\pm 20\%$
Power consumption	$\leq 1.5\text{W}$			
Housing materia	UL94-V0/PC			
Communication	RS-485 standard interface, Modbus RTU protocol			
Certification	ROHS, CE			
Electromagnetic compatibility	EN 61326-1			
Display	LCD backlight digital display			

DIMENSION(mm)



ORDER REF. NO.

Code and Description							Remark		
LFM52	Differential Pressure Transmitter						Model		
	6	-100~100pa					Measurement Range		
	0	-1000~1000Pa							
	2	-10000~10000Pa							
		N	Without display				Display Mode		
		O	With display						
			A	4~20mA&0~10V (Simultaneous output)				Output Mode	
			B	4~20mA (two-wired) (without backlight)					
			C	0~10V (3-wired)					
			D	0~5V (3-wired)					
			E	RS-485 communication					
			E1	RS-485communication (isolation output)					
				C	±1%FS			Accuracy	
LFM52	-	6	-	O	-	B	-	C	Selection Example