

LFM32 Differential Pressure Transmitter

FEATURES

- Adopt high accuracy of MEMS digital pressure sensor, detect positive pressure, negative pressure and differential pressure.
- Combine LCD digital display, switch control and transmitter output
- Internal output range scope can be adjusted. various switchable pressure units.
- Built-in buzzer with sound-light alarm, alarm pressure range can be set on site.
- RS-485 serial communication, support standard ModBus RTU protocol.
- Housing is made of FR-ABS, satisfactory impact resistance and heat resistance, etc.
- Support setting replay working mode. Optional control or alarm output mode, with LED signal



DESCRIPTION

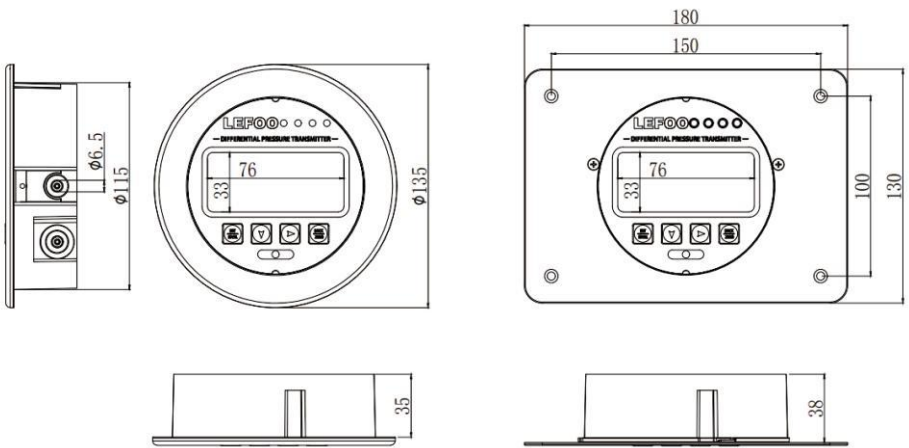
LFM32 Differential Pressure Transmitter/Controller adopts high-precision MEMS digital pressure sensor, which can detect positive pressure, negative pressure or differential pressure.

It has 4~20 mA & 0~10V or RS485 signal output, and variety of working mode settings to match the actual application requirements. Relay switch control is optional and can set pressure point independently. The internal buzzer and LED will indicate pressure alarm. Pressure unit switching and digital damping filter degree can be edited on site. It is widely used in air or neutral gas detection and control. It is suitable for air pressure detection of various ventilation and air conditioning systems and equipment, and for differential pressure detection of filter resistance in clean-room, laboratories, and gas pipelines.

SPECIFICATION

Measured Medium	Air or neutral gas	
Measurement range	±100Pa, ±1000Pa, ±10000Pa	
Overload pressure	5KPa(LFM326); 10KPa(LFM320); 80KPa(LFM322);	
Accuracy	±1%F.S	
Working temperature	-10℃~60℃	
Compensation temperature	-10℃~60℃	
Storage temperature	-20℃~70℃	
Protection level	IP65	
Pressure connection	Plastic concave interface Φ6.5mm	
Signal output	4~20mA & 0~10V	RS485
Control relay	2SPDT relay 3A @ 250VAC/30VDC	
Power supply	16~30VDC	
Consumption	≤2.5W	
Housing material	UL94-V0/ABS industrial plastic	
Communication	RS-485 standard interface, Modbus RTU protocol	
Certification	RoHS, EU, CE	
Magnetic compatibility	EN 61326-1	
Display	76*33mm LCD display	
Weight	360g	

DIMENSION (mm)



ORDER REF NO.

Code and description						Remark		
LFM32						Model		
	6	-100~100Pa				Measurement Range		
	0	-1000~1000Pa						
	2	-10000~10000Pa						
		N	N/A			Signal output mode		
		E	RS-485 Communication					
		A	4~20mA and 0~10V					
			N	N/A			Control output	
			R	2 SPDT relay + 1×Buzzer				
			B	1×Buzzer				
			D	2 SPDT relays				
				P	Plastic panel(round)		Installation Panel	
				S	Stainless steel panel(square)			
					F	Front panel air intake		Air Intake method
					B	Rear panel air intake		
					S	Side panel air intake		
LFM32	0	A	R	P	F			Selection Example