

FEATURES

- Intrinsically safe, and Dust Explosion-proof certification;
- Cast aluminum shell, protection grade IP65;
- Reverse polarity protection, stable performance;
- CE Certification.



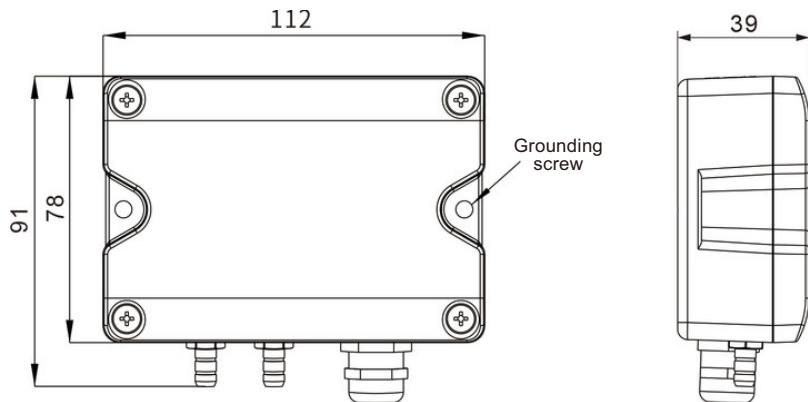
DESCRIPTION

LFM751 Low Differential Pressure Transmitter can be used in hazardous situations. It has a cast aluminum housing and high level of protection. It is suitable for various complex industrial conditions, such as natural gas pipeline monitoring, power plant air supply system, and pharmaceutical factory clean engineering. It adopts high-precision imported MEMS micro-pressure sensing cell, with characteristics of fast pressure response, stable long-term output, superior temperature performance, convenient installation, and strong electromagnetic interference resistance. Two models available: intrinsically safe explosion-proof and intrinsically safe dust explosion-proof. Intrinsically safe explosion-proof can work in Zone 0, 1, and 2, and intrinsically safe dust explosion-proof can work in Zone 21 and 22.

SPECIFICATION

Pressure range	LFM7516	-100~+100 Pa (Min range: 0~+50)
	LFM7510	-1000~+1000 Pa (Min range: 0~+100 Pa)
	LFM7512	-10000~+10000 Pa (Min range: 0~+1000 Pa)
Over-voltage	10 KPa (Range \leq 1000 Pa), 80 KPa (Range $>$ 1000 Pa)	
Accuracy	$\pm 0.5\%$ FS (Range \geq 500 Pa) / $\pm 1\%$ FS (Range $<$ 500 Pa)	
Medium	Air and neutral gases	
Temperature	-20°C~70°C	
Compensation temperature	-5°C~65°C	
Storage temperature	-40°C~80°C	
Output	4~20 mA (two wire)	
Load Resistance	$\leq 250\Omega$	
Power supply	12~30 VDC	
Explosion-proof mark	Ex ia IIC T4 Ga / Ex ib IIIC T130°C Db	
Explosion-proof parameters	Ui: 30VDC; Ii: 120mA; Pi: 0.75W; Ci: 0.01uF; Li: 0mh	
Certificate	CE certification, intrinsically safe explosion-proof certification, intrinsically safe dust explosion-proof certification	
Housing Material	Cast aluminum ADC12 (Note: The product shell is made of aluminum alloy. The risk of ignition caused by impact or friction must be prevented during use.)	
Protection Grade	IP65	
Pressure Connector	Metal barbed interface, φ 6.2mm	
Cable Connector	Max cable diameter φ 8 mm	
Weight	375 g	

DIMENSIONS (mm)



ORDER REF NO.

Code and description		Remark	
LFM751		Model	
6	-100~100pa	Measurement range	Explosion-proof model
	0 -1000~1000pa		
	2 -10000~10000pa		
	B Intrinsically safe explosion-proof		
	F Intrinsically safe dust explosion-proof		
LFM751	0 B	Selection example	