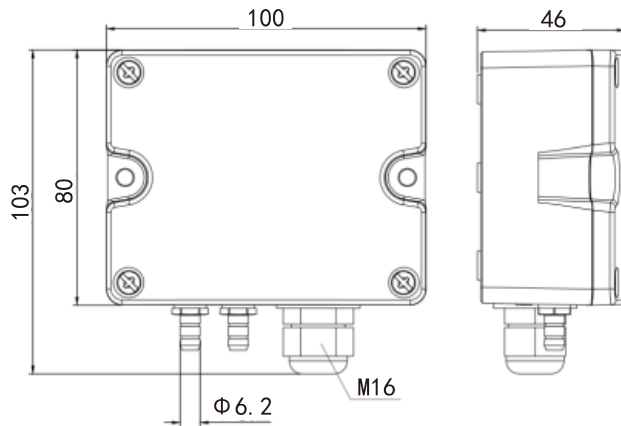




Dimension in : mm

LFM53

Differential pressure Transmitter



The LFM53 series differential pressure transmitter adopts the thermal micro -pressure core, use the micro-flowpath integrated by the sensor chip, detecting air pressure by detecting the changes in thermal flow. LFM53 has the characteristics of strong overload capacity, strong anti - interference ability, wide measurement range, and multi - signal output. It is widely used in the detection of air or neutral gas, such as HVAC, process control, environmental control, clean room, clean room or other systems that require micro - differential pressure detection.

LFM53 Order Ref No.

LFM53 - 1 - 0 - E

A B C

A Measurement Range	B Display mode	C Output type
1=-25~25Pa	N=Without display	A=4~20mA and 0~10VDC (Simultaneous output)
2=-50~50Pa	O=With display	E=RS-485 Communication
3=-100~100Pa		E1=RS-485 Communication (With isolation)

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Specification

General	Value	
Measured Medium	Dry air and neutral gases	
Pressure Range	±25Pa, ±50Pa, ±100Pa	
Overload/Burst pressure	Overload pressure: 7kPa/Burst pressure: 20kPa	
Accuracy	±25Pa ±1Pa ±50Pa ±1%F.S ±100Pa ±0.5%F.S	
Operating temperature	-20°C~70°C	
Compensated temperature	-10°C~60°C	
Storage temperature	-40°C~80°C	
Temp.Drift Value	0.03%FS/°C	
Protection Level	Ip65	
Electrical connections	4-wired	6-wired
Output signal	RS-485	4~20mA/0~10VDC
Power Supply	9-30VDC/24VAC±20%	12-30VDC/24VAC±20%
Pressure Connection	Metal barbed interface, φ6.2mm	
Communication	RS-485 standard interface, Modbus RTU Protocol	
Certification	ROHS, CE	
Electromagnetic compatibility	EN 61326-1	

①When RS485 output (non-isolated) products use AC power, an isolated 24VAC power supply is required.

Mechanical Parameters

General	Value
Shell material	PC Industrial plastic
Flame retardant grade	UL94-V0
Protection grade	Ip65
Pressure port	Metal barb port Ø6.2mm
Cable gland	Cable diameter up to Ø8mm
Weight	200g