Differential Pressure Transmitter PM350



Principle structure

The PM350 differential pressure transmitter is used to detect differential pressure or gauge pressure and convert this pressure difference into a proportional signal output. This product can output standard industrial signals such as PNP/NPN switch signals, 1-5/0-10VDC voltage, 4-20mA current analog or RS485 digital. When used in building energy management systems, it can measure the precise pressure and flow required for building pressurization and air flow control. It is also applicable to HVAC, energy management systems (VAV) and fan control, environmental pollution control, static pipeline and cleanroom pressure control, fume hood control, oven pressurization and furnace ventilation risk control, and other fields.

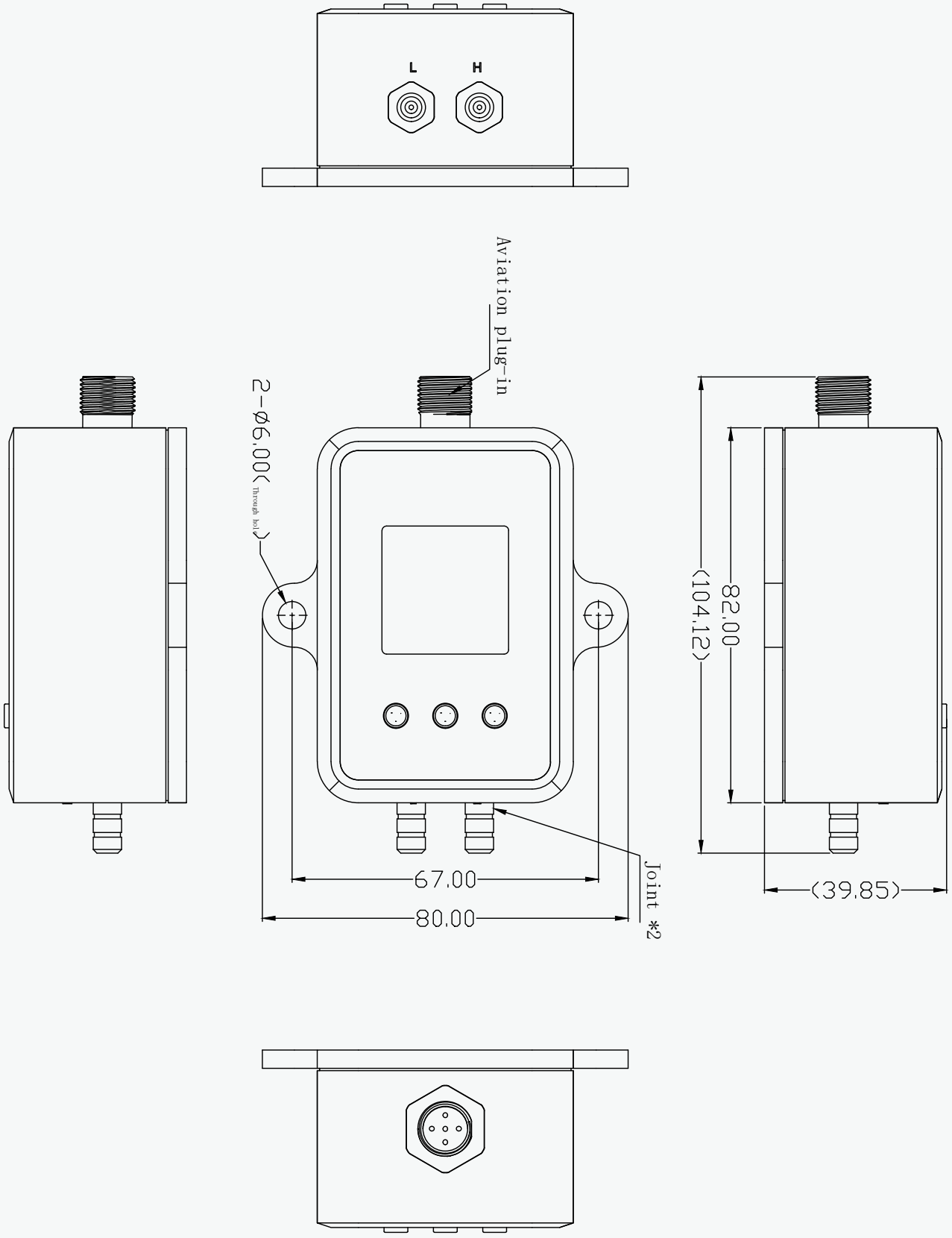
Product Features

- High-precision MEMS sensors are adopted, featuring wide temperature compensation and sensitive pressure response
- Set a zero-point calibration button to save installation time and facilitate later maintenance
- Strong stability and long service life
- Compact in size and easy to install

Technical parameters

Measuring medium: air or neutral gas	Pressure interface: Metal barb interface, ϕ6.2mm (customization supported)
Pressure range: ±100Pa, ±1000Pa, ±10000Pa	Power supply: 12-28VDC
Overload pressure: up to 15 times the rated pressure	Electrical connection: Three-wire system: PNP/NPN+4-20mA/1~5V/0~10V
Accuracy: ±1.0% F.S.	Four-wire system: RS485, 12~30VDC
Stability: Typical value: 0.1%F.S, maximum value 0.2%F.S	Power consumption: ≤1.5W
Operating temperature: -20℃ to 70℃	Shell material: Aluminium oxide
Compensation temperature: -10℃ to 60℃	Communication: RS485 standard interface, ModbusRTU protocol
Storage temperature: -40℃ to 70℃	
Response time: 0.5s/1.0s/2s/4s (Custom Settings supported)	

Dimension drawing (mm)



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Selection table

PM350-	50A	SA	Elaborate
PM350-			Differential pressure transmitter
	50A		Measurement range: ±50Pa
	100A		Measurement range: ±100Pa
	100B		Measurement range: 0-100Pa
	250A		Measurement range: ±250Pa
	250B		Measurement range: 0-250Pa
	500A		Measurement range: ±500Pa
	500B		Measurement range: 0-500Pa
	1000A		Measurement range: ±1000Pa
	1000B		Measurement range: 0-1000Pa
	2500A		Measurement range: ±2500Pa
	2500B		Measurement range: 0-2500Pa
	5000A		Measurement range: ±5000Pa
	5000B		Measurement range: 0-5000Pa
	10000A		Measurement range: ± 10,000 Pa
	10000B		Measurement range: 0- 10,000 Pa
		SA	Output type: PNP/NPN+ (4-20mA)
		V10	Output type: PNP/NPN+ (0-10V)
		V5	Output type: PNP/NPN+ (1-5V)
		RS	Output type: RS485