

Overview

The NEOWAVE TXADP12 micro differential pressure sensor is our latest innovation for precise measurement of pressure differences. It is designed with a multi-range sensing element and an easy-to-use switch, allowing simple field adjustment. The device comes in a protective enclosure and is equipped with a stainless steel connector for reliable wiring.

Features

- High-Precision MEMS Core
- Wide Temperature Compensation
- Fast Pressure Response
- 5-Digit LCD Display
- Zero Button (Field Adjustment)
- Selectable Pressure Ranges
- Strong Stability & Long Service Life
- IP65 Protection

Applications

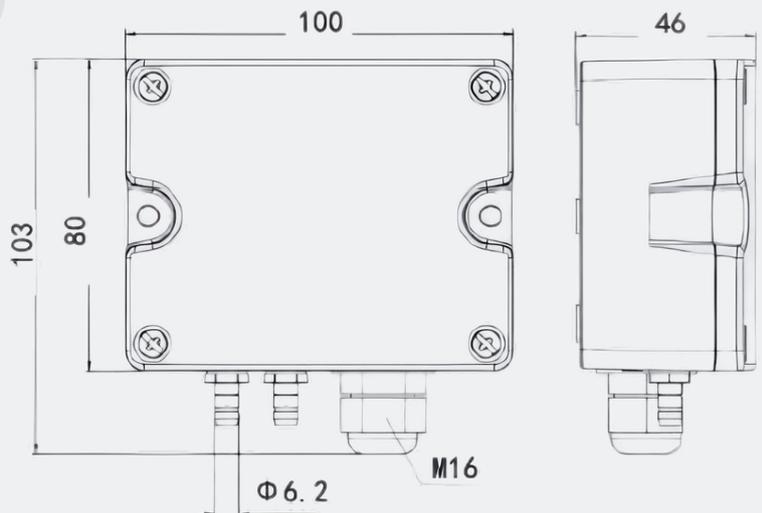
- HVAC control (heating, ventilation, and air conditioning)
- Energy management systems
- Indoor air quality monitoring
- Clean room pressure control
- Kitchen ventilation systems
- Industrial process monitoring

TxADP12

Air Differential Pressure Sensor



Dimensions



Specifications

NEOWAVE Air Differential Pressure Sensor TxADP12

Medium	air or neutral gas			
Pressure Range	±100Pa, ±1,000Pa, ±10,000Pa			
Overpressure capacity	5KPa(TXADP122), 10KPa(TXADP124); 80KPa(TXADP126)			
Accuracy	±1%F.S			
Operating temperature	-20°C~70°C			
Compensation temperature	10°C~60°C			
Storage temperature	40°C~70°C			
Response time	0.5s(Default)/1.0s/2s/4s			
Protection degree	IP65			
Pressure connection	Metal barbed interface, ϕ 6.2mm			
Electrical connection	2-wired	3-wired	4-wired	6-wired
Signal output	4-20mA(No backlight)	0~5VDC/0~10VDC	RS-485	4~20mA & 0-10VDC
Power supply	12-30VDC	12-30VDC/24VAC±20%	9-30VDC	12-30VDC/24VAC±20%
Power consumption	≤1.5W			
Housing material	UL94-V0/PC			
Communication	RS-485 standard interface, Modbus RTU protocol			
Certification	-20~60°C,5%-95%RH (Non-condensing)			
Electromagnetic compatibility	EN 61326-1			
Display	LCD backlight digital display			

Selection Code:

Code and description		Remark
TxADP12	Air Differential Pressure Sensor	Model
2	-100~100pa	Pressure range
4	-1000~1000pa	
6	-10000~10000pa	
1	Without Display	Display mode
2	Display	
AV	4-20mA and 0-10VDC (Simultaneous output)	Output type
A	4-20mA(two-wired) (without backlight)	
V10	0-10VDC(3-wired)	
V5	0~5VDC(3-wired)	
RS	RS-485 communication	
RSW	RS-485 communication(isolation output)	

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For technical support please contact: support@neowave.tech