

PEWA3403 Pressure Transmitter

Features

- Pressure Range:
0.3MPa, 1MPa, 1.6MPa, 2MPa, 5MPa optional
- Micro-fused technology, dry-type structure
- Water hammer preventing and cracking resistant
- Compact structure, high cost-effectiveness
- Temperature compensation and linear correction



Application

- IoT terminal
- Smart firefighting
- Pipeline, water pressure control system
- Smart agriculture irrigation

Introduction

PEWA3403 Pressure Transmitter is a cost-effective product which adopts micro-fused technology pressure sensor and special designed amplifier circuit. With linear correction and temperature compensation, it can effectively resist water hammer effect, solve the problem of momentary overload pressure and it also could meet different needs for pressure measurement and control in various environmental conditions. The product is batch produced in automatic production line and all the specifications are strictly controlled.

The whole transmitter experiences a strict testing for sensing element, semi-finished and completed product and aging screening, which makes it more stable and has a good consistency. It could be widely used in the fields like IoT terminal, smart firefighting, smart agriculture irrigation, pipeline and water pressure control system etc.

Specifications

Pressure Range: 0MPa~0.3MPa, 1MPa, 1.6MPa, 2MPa, 5MPa

Accuracy: 1.0 (within compensated temperature range)

Zero thermal error: ± 0.02 %FS/ $^{\circ}$ C

Span thermal error: ± 0.02 %FS/ $^{\circ}$ C

Over pressure: 2 \times FS

Burst Pressure: 12MPa

Power Supply: 3.3V \pm 0.2 DC / 5V \pm 0.2 DC / 10~28V DC

Output signal: 0.5V~4.5V DC(3-wire) / 0.5V~2.5V DC(3-wire) / 4~20mA(2-wire)

Compensated temperature: 0 $^{\circ}$ C~70 $^{\circ}$ C

Storage temperature: -20 $^{\circ}$ C~100 $^{\circ}$ C

Insulation resistance: ≥ 100 M Ω @250V DC

Media compatibility: the media compatible with 17-4PH SS and NBR

Protection: IP67

Construction Material

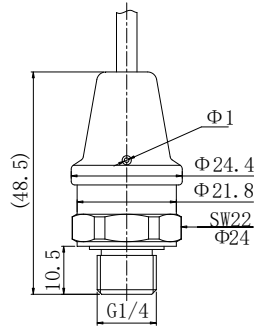
Housing: Stainless steel 304

O-ring: NBR

Pressure sensor: Stainless steel 17-4PH

Cable: Φ5.1mm Polyethylene special cable with three cores

Outline Dimension (unit: mm):



Electric Connection

Wire Color	3-wire	2-wire
Red	+V	+V
Green	+OUT	NULL
Black	GND	+OUT

Order Guide

PEWA3403	Pressure Transmitter				
	Range	Measured media: 0MPa~0.3MPa, 1MPa, 1.6MPa, 2MPa, 5MPa			
	[0~X]MPa	X: actual measured range			
	Code	Supply			
	V1	24VDC (default for current output version)			
	V6	5V DC			
	V7	3.3V DC			
	Code	Output signal			
	E	4~20mA			
	K	0.5V~4.5V DC			
	W	0.5V~2.5V DC			
	C	I ² C (10~90%)			
	Code	Others			
	B2	Cable (default cable length 0.5m)			
	C2	G 1/4" male			
	C6	1/4" NPT male			
	C7	1/8" NPT male			
	C16	G 3/8" male			
PEWA3403	[0~1]MPa	V6	K	B2C2	the whole spec.

Order Note

- 1.If you have special requirement, please contact our company freely and note it in the order.
- 2.IP68 is available.
- 3.Customization is available.

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