

PEWA3401 Pressure Transmitter

Feature

- Range: 0.6MPa, 1MPa, 1.6MPa, 2MPa Optional
- Micro-fused silicon technology without filling oil
- Resistance to water hammer, with high overload pressure
- Compact construction, cost-effective
- Temperature compensation and linear correction



Application

- Energy and water treatment systems
- Building automation system
- Compressor

Introduction

PEWA3401 pressure transmitter is a cost-effective product which adopts micro-fused silicon 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 also could meet different needs for pressure measurement and control in various environmental conditions. The product is available for mass production on the automatic production line and all the parameters are strictly controlled. The whole transmitter is subject to the rigorous tests of element, semi-finished and completed product as well as aging screening, which makes it more stable and has a good consistency. It could be widely used in the fields like compressor, building automation system and water treatment etc.

Specification

Pressure range: 0MPa~0.6MPa, 1MPa, 1.6MPa, 2MPa
 Accuracy: 1%FS (within compensated temperature range)
 Zero thermal drift: ± 0.02 %FS/ $^{\circ}$ C Span thermal drift: ± 0.02 %FS/ $^{\circ}$ C
 Overload pressure: 2 \times FS Burst pressure: 6MPa
 Power supply: 5V DC/3/3VDC/10~28VDC
 Output signal: 0.5V~4.5V DC/0.5V~2.5V DC / 4mA~20mA
 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: compatible with stainless steel 17-4PH and NBR
 Protection: IP67/IP68 optional

PEWA3401 Pressure Transmitter(V2.0)

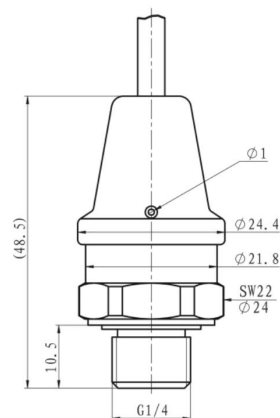
Construction Material

Housing: stainless steel 1Cr18Ni9Ti
 Sensor: stainless steel 17-4PH
 Cable: Φ 5.1mm PE cable with 3-core

O-ring: NBR
 Plug housing: PBT
 Cable sheath: PA

Outline Dimension (unit: mm)

Unit : mm

**Electrical Connection**

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

Order Guide

PEWA 3401	Pressure Transmitter	
	Range	Pressure Range:0MPa~0.6MPa,1MPa,1.6MPa,2MPa
	[0~X]MPa	X: Actual Measuring Range
	Code	Supply
	V ₁	24V DC (Current version)
	V ₆	5V DC
	V ₇	3.3V DC
	Cod e	Output Signal
	E	4mA~20mA DC
	K	0.5V~4.5V DC

PEWA3401 Pressure Transmitter(V2.0)

W	0.5V~2.5V DC	
	Code	Others
	B ₂	Cable(Default 0.5m, please specify if need longer cable or a different electrical connection)
	C ₂	G1/4 Male
	C ₁₆	G3/8 Male

PEWA3401 [0~1]MPa	V ₆	K	B ₂ C ₂	Full Part Number
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Order Notes

- 3.3V DC(V₇) is only available for output signal of 0.5V~2.5V DC(W); 24V DC(V₁) is only available for 4mA~20mA(E);5V DC (V₆) is only available for 0.5V~2.5V DC(W) or 0.5V~4.5V DC(K).
- Products with the special requirements can be made upon customers' request. Please contact with the company and specify on the order.

Headquarter Switzerland:
Angst+Pfister Sensors and Power AG

Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:
Angst+Pfister Sensors and Power
Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 0
sensorsandpower.de@angst-pfister.com



We are here for you. Addresses and Contacts.

Sales Germany & Austria

Geometrical sensors
Other products

Kurt Stritzelberger
Phone +49 89 374 288 87 22
kurt.stritzelberger@angst-pfister.com

Pressure sensors
Other products

Gerhard Vetter
Phone +49 89 374 288 87 26
gerhard.vetter@angst-pfister.com

Gas sensors and modules

Peter Felder
Phone +41 44 877 35 05
peter.felder@angst-pfister.com

Sales Switzerland & Liechtenstein

Postcode 3000 – 9999

Basil Frei
Phone +41 44 877 35 18
basil.frei@angst-pfister.com

Postcode 1000 – 2999

Christian Mohrenstecher
Phone +41 76 444 57 93
christian.mohrenstecher@angst-pfister.com

Sales International Key Accounts

Peter Felder
Phone +41 44 877 35 05
peter.felder@angst-pfister.com

Sales Other Countries / Product Management

Pressure Sensors
Load Cells

Philipp Kistler
Phone +41 44 877 35 03
philipp.kistler@angst-pfister.com

Gas sensors
Gas sensor modules

Dr. Thomas Clausen
Phone +49 89 374 288 87 24
thomas.clausen@angst-pfister.com

Flow / Level / Medical products

Dr. Adriano Pittarelli
Phone +49 89 374 288 87 67
adriano.pittarelli@angst-pfister.com

Power supplies

Sebastiano Leggio
Phone +41 44 877 35 06
sebastiano.leggio@angst-pfister.com

Linear position sensors
Angle sensors

Eric Letsch
Phone +41 44 877 35 14
eric.letsch@angst-pfister.com

Accelerometers
Sensor elements

Christoph Kleye
Phone +49 89 374 288 87 61
christoph.kleye@angst-pfister.com

Drive technology
CH Postcode 5000 – 9999 / DE

Roman Homa
Phone +41 76 444 00 86
roman.homa@angst-pfister.com

Drive technology
CH Postcode 1000 – 4999 / AT / IT / FR

Christian Mohrenstecher
Phone +41 76 444 57 93
christian.mohrenstecher@angst-pfister.com

Harald Thomas
Phone +49 89 374 288 87 23
harald.thomas@angst-pfister.com