

## DR3403E Compact Pressure Transmitter



### Introduction

DR3403E Series Pressure Transmitters are designed to integrate with a variety of industrial and applications with its compact, rugged, and SS body. The variety of features and communication protocols, in addition to an innovative sensor technology, make these instruments offers excellent quality at an extremely competitive price. This product is used for measure and control of petroleum, chemical industry, hydrology and flow pressure measure, etc.

## Features

- Cost-effective, small transmitter designs
- Piezo-resistive SS316L diaphragm
- Short protection and reverse polarity protection
- Gauge, absolute and sealed gauge optional
- Comes with 20mm Mating DIN Connector
- Perfect for applications where a 0.5% accuracy is desired

## Specification

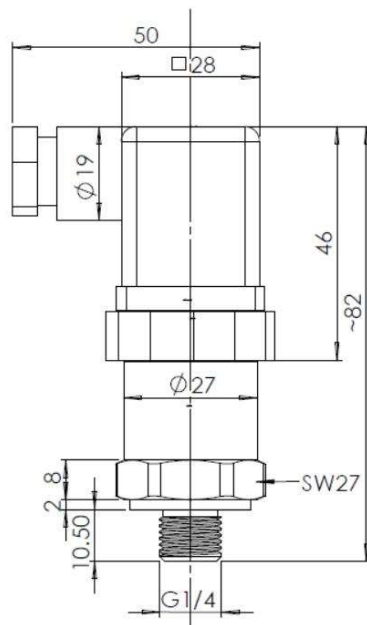
- Pressure range: -0.1...0~0.01...100MPa (-1...0~0.1...1000bar)
- Over pressure: 1.5 times FS or 110MPa (min. value is valid)
- Pressure type: Gauge/absolute/sealed gauge optional
- Process connection: G1/4 male thread (or as per customer's requirement)
- Accuracy: ±0.5%FS
- Long term stability: max.     ±0.3%FS/year
- Offset thermal drift: 0.1%FS/°C(≤100kPa);   0.05%FS/°C(>100kPa)
- Span thermal drift: 0.1%FS/°C(≤100kPa);   0.05%FS/°C(>100kPa)
- Compensated temp.: 0~50°C
- Application temp.: -30~80°C
- Storage temp.: -40~120°C
- Power supply: 8~30VDC
- Output signal: 4~20mADC (2 wires)                         0/1~5VDC(3 wires)
- Load resistance: ≤ (U-12)/0.02Ω (2-wire),         ≥10k (3-wire)
- Housing protection: IP65
- Electrical connection: DIN43650 plug/M12 connector/Cable

## Construction and Outline Dimension

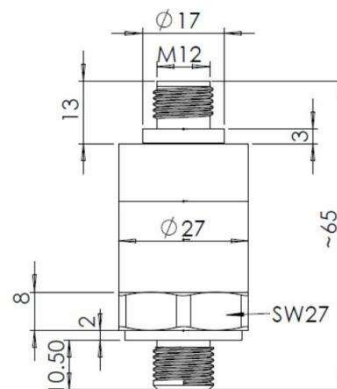
Construction material:

- Housing: SS304
- Pressure port: SS304
- Diaphragm: SS316L
- Sealing gasket: Viton
- Plug housing: Plastic
- Cable: Polyethylene Special Cable

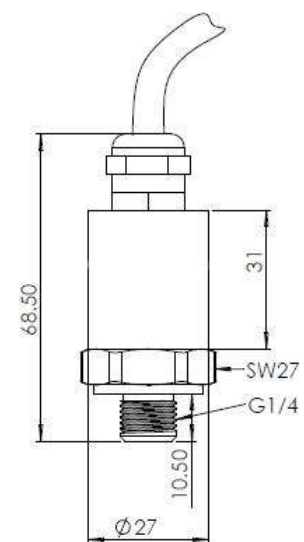
Outline dimension:



DIN43650 plug version

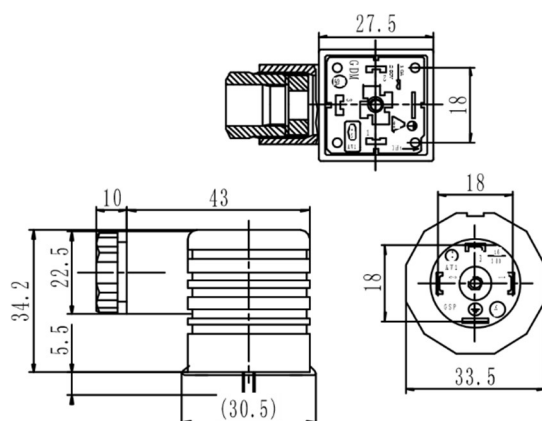


M12 plug version



Cable version

## Electrical Connection



Pin	2-wire	3-wire
1	+V	+V
2	+OUT	GND
3	Null	+OUT

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

## Order Information

DR3403E	Compact Pressure Transmitter						
		Range	Pressure range:-0.1…0～0.01…100MPa (-1…0～0.1…1000bar)				
		[0～X]kPa or MPa	X: the actual measured pressure				
			Code	Output signal			
			E	4～20mADC			
			V1	1～5VDC			
			V2	0～5VDC			
			V3	0～10VDC			
			V4	0.5～4. 5VDC			
					Code	Construction material	
	Diaphragm	Pressure port				Housing	
	M1	SS 316L			SS304	SS304	
	M2	SS 316L			SS 316L	SS 316L	
				Code	Others		
					B1	DIN43650 connector	
				B2	Cable exit		
				B3	M12 connector		
				C3	G1/2 male thread		
				C4	G1/4 male thread		
				G	Gauge		
				S	Sealed gauge		
A				Absolute			

DR3403E	[0～1bar]	E	22	B1C3G	the whole spec
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### Note:

1. Please pay attention that the media should be compatible with the contacted parts;
2. If any special requirements on function or specification, please contact with us freely;