

AND340 Adaptive Differential Pressure Transmitter

Description

And340 universal differential pressure transmitter is an integrated product that encapsulates the differential pressure chip in the positive and negative pressure chamber of the product, introduces the pressure through the threaded interfaces at both ends, outputs the linear voltage on the chip, and then cooperates with the special digital circuit to output the industrial standard signal through signal amplification, linear compensation, anti-interference, anti surge protection and other signal processing.



Specifications

Range	0~35kPa	0~70kPa	0~100kPa	0~200kPa	0~350kPa	0~700kPa
Positive Overvoltage	70kPa	150kPa	200kPa	400kPa	700kPa	1400kPa
Negative Overvoltage	35kPa	70kPa	100kPa	200kPa	350kPa	700kPa
Range	0~1MPa	0~2MPa	0~3.5MPa			
Positive Overvoltage	2MPa	4MPa	7MPa			
Negative Overvoltage	1MPa	1MPa	1MPa			

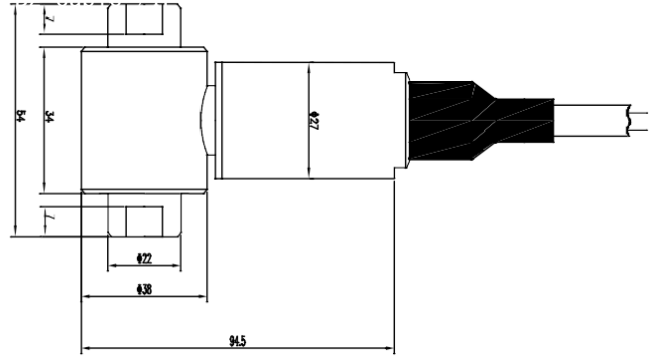
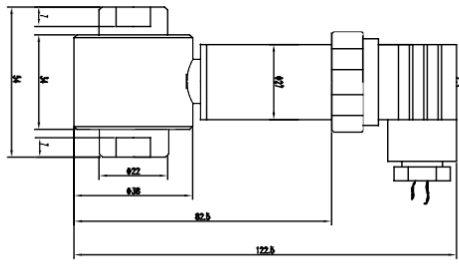
Features

- Multiple output signals are optional
- Anti-interference, surge-proof
- High Accuracy, High Stability, Original Germany Chip
- 316L Integrated 316L stainless steel diaphragm
- High static pressure resistance and strong overload resistance

Applications

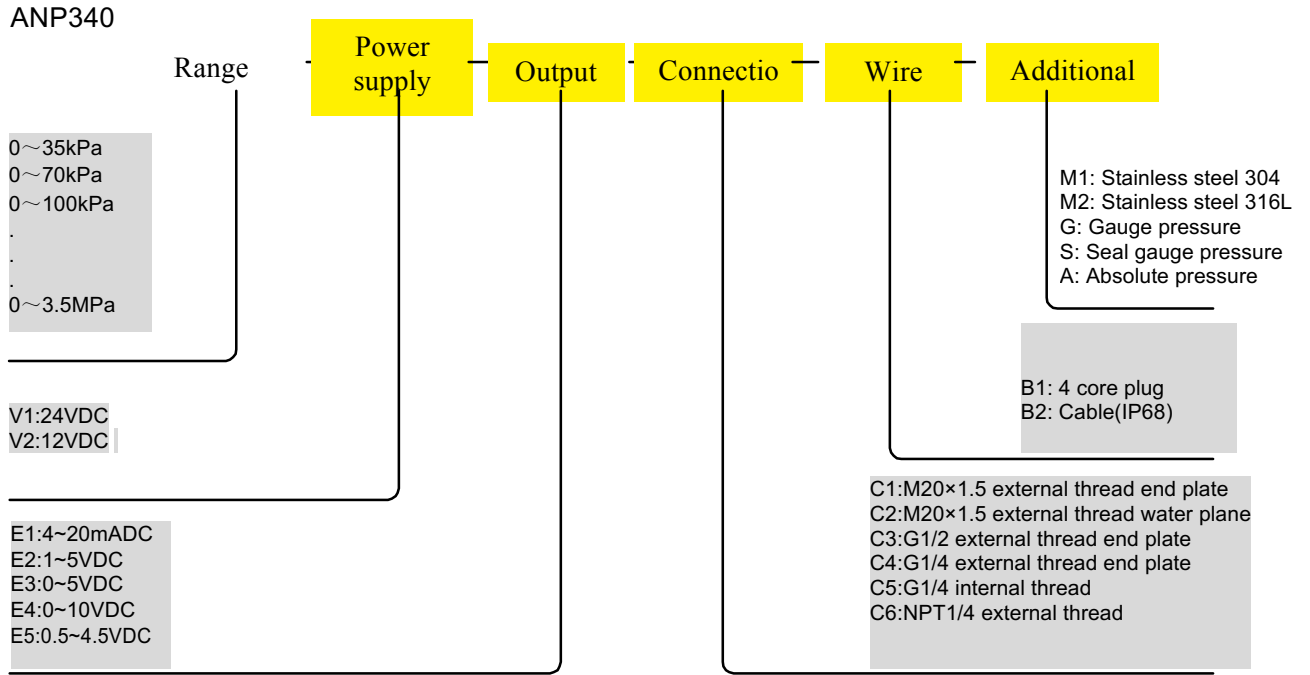
- Hydraulic and Pneumatic Industry
- Process control and measures
- Petrol Chemical Industry

Input Signal	2-wire 4 ~ 20mADC ; Power Supply 11 ~ 30VDC	
	3-wire 0 ~ 10VDC ; Power Supply 14 ~ 30VDC	
	3-wire 0 ~ 5VDC ; Power Supply 8 ~ 30VDC	
	3-wire 1 ~ 5VDC ; Power Supply 8 ~ 30VDC	
	3-wire 0.5 ~ 4.5VDC ; Power Supply 8 ~ 30VDC	
Accuracy	±0.25% FS	±0.5% FS (Default)
Long-term stability	±0.2%FS/ Year	
Temp. Coefficient of zero	< 100KPa ±0.03%FS/°C	
	≥ 100KPa ±0.02%FS/°C	
Temp. Coefficient of span	< 100KPa ±0.03%FS/°C	
	≥ 100KPa ±0.02%FS/°C	
Compensation Temp.	0°C~ +70°C	
Operating Temp.	-30°C~ 80°C (plug) -10°C~ 70°C (cable)	
Storage Temp.	-40°C~ 120°C (plug) -20°C~ 85°C (cable)	
Load Resistance (Ω)	Current (2-wire) : ≤ (supply voltage -8V) /0.02A	
	Voltage (3-wire) : > Maximum output signal /1mA	
IP Grade	IP65 (B1)	IP68 (B2)
Media Suitability	Media should be compatible with 316L and FKM	
Electrical Interface	DIN43650 transmission or cable connection (1.5m)	
Cable	∅ 7.5mm PU Cable	

Size (Unit:mm)

Electrical Connection

Function Definition	Definition	B1(4-core plug)	B2(cable)
2-wire (4 ~ 20mADC)	Positive (+V)	1	R
	Negative (0V/+OUT)	2	B
3-wire (voltage output)	Positive (+V)	1	R
	Common (GND)	2	B
	(+OUT)	3	W

Selection Guide



Noted :

1. Range could be chosen from 0kPa ~ 35kPa...3.5MPa ;
2. Pls pay attention that the media should be compatible with the contacted parts.

