
ACM300(WTR01) Industrial Pressure Transmitter

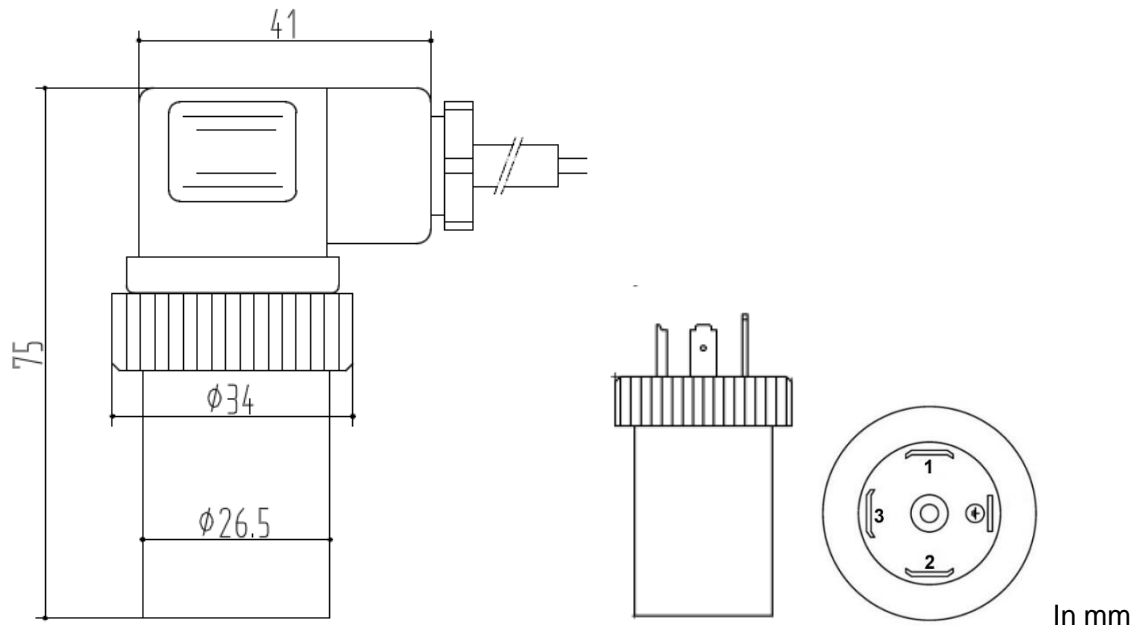


- Piezoresistive silicon chip employed
- Perfect long term stability
- MEMS Technology
- CE certificate

ACM300(WTR01) industrial pressure transmitter is a standard and most popular transmitter applied in air and liquid pressure measuring. A high sensitivity silicon pressure chip is employed in the sensor. The most important specification for industry application is long term stability. The ACM300(WTR01) pressure transmitter is designed for industry application with perfect long term stability.

Pressure range	
Pressure range	-100kPa, 10kPa, 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa, 4MPa, 6MPa, 10MPa, 16MPa, 25MPa, 40MPa, 60MPa, 100MPa
Pressure reference	Gauge pressure Absolute pressure Sealed gauge pressure
Overpressure	300%F.S.(≤ 70 kPa) 200%F.S.(< 25 MPa) 150%F.S.(≥ 25 MPa)
Output signal	
Output	4 to 20mA 0.5 to 4.5V 1 to 5V 0 to 5V 4 to 20mA +HART RS485-MODBUS
Specification	
Accuracy (linearity, repeatability and hysteresis)	$\pm 0.5\%$ F.S. (Typical)
Excitation	24VDC 12VDC 5VDC
Compensated temp.	-10°C -70°C(typical) -20°C -85°C(available)
Operating temp.	-40°C -125°C
Storage temp.	-40°C -125°C
Zero temp. coefficient	$\pm 1.5\%$ F.S.max. (@-10°C -70° C)
Span temp. coefficient	$\pm 1.5\%$ F.S.max. (@-10°C -70° C)
Pressure connection	see last page "how to order"
Protection	IP65
Housing material	Stainless steel 304 (SS316 for sensor inside)
Long-term Stability	$\leq 0.2\%$ F.S./year
Weight	180g(approx)

Electrical connection (DIN 43650)



Hirschmann connection		
2 wire	Pin 1	Excitation+
	Pin 2	Output+
	Pin 3	Pending
3 wire	Pin 1	Excitation+
	Pin 2	Excitation-
	Pin 3	Output+

Pressure port

Thread	M20*1.5	M20*1.5	G1/2
Dimension in mm Hex 27mm			
Code	A1(with tube)	A2	A3

How to order

ACM300(WTR01) XX—XX—XX—XX—XX—XX—XX

Pressure range

Please write directly

Pressure reference

A: absolute pressure

G: gauge pressure

S: sealed gauge pressure

Excitation

E1: 5V DC

E2: 24V DC

E3: 12V DC

Output signal

S1: 4 to 20mA

S2: 0.5 to 4.5V

S3: 1 to 5V

S4: 0 to 5V

S5: 4 to 20mA+HART

S6: RS485-MODBUS

Snubber

K1: without snubber

K2: with snubber

Electrical connection

C1: DIN 43650

C2: Cable outlet (please write the cable length)

Pressure connection

A1: M20*1.5(with tube)

A2: M20*1.5

A3: G1/2

A4: 1/4-18NPT

A5: others (please specify)