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## PCM610(WTR04) Differential Pressure Transmitter



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

PCM610(WTR04) differential pressure transmitter is a standard product for differential 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 PCM610(WTR04) is designed for industry application with perfect long-term stability.

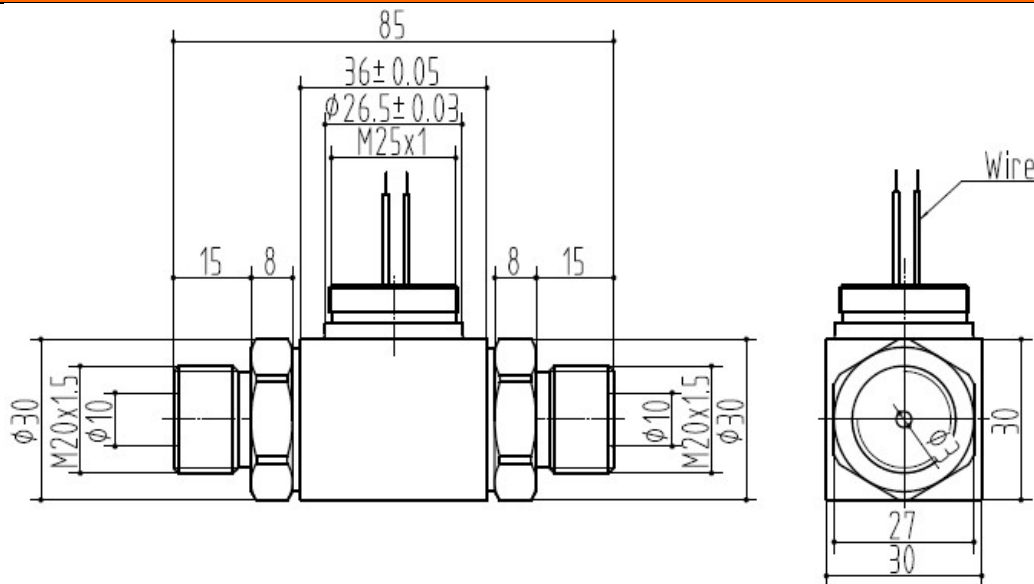
### **Caution**

We mark "H" in positive pressure end and "L" in negative pressure end on the sensor body. It can not be connected reversely.

Pressure range			
Pressure range	100Pa, 10kPa, 35kPa, 70kPa, 100kPa, 250kPa, 400kPa, 600kPa, 1MPa, 1.6MPa, 2.5MPa		
Overpressure	Range	Positive Overpressure	Negative Overpressure
	35kpa	70kpa	35kpa
	70kpa	150kpa	70kpa
	100kpa	200kpa	100kpa
	250kpa	500kpa	250kpa
	400kpa	800kpa	400kpa
	600kpa	1200kpa	600kpa
	1Mpa	2Mpa	1Mpa
	1.6Mpa	3.2Mpa	1Mpa
	2.5Mpa	5Mpa	1Mpa
Output signal			
Span output	4-20mA   0.5 to 4.5V		
Specification			
Accuracy (linearity, repeatability and hysteresis)	±0.25%F.S. (Typical)		
Excitation	24V   5V		
Compensated temp.	0- 60° C(typical)		
Operating temp.	-40-125° C		
Storage temp.	-40-125° C		
Insulation resistance	≥100Mohm/250VDC		
Zero temp. coefficient	±1.5%F.S.max.( 0-60°C)		
Span temp. coefficient	±1.5%F.S.max.( 0-60°C)		
Bridge resistance	Min.	Max.	Unit
	2600	5500	ohm
Long term stability	0.3%F.S./year		

Static pressure	20MPa (Max.)
Vibration	20g (20--5000HZ)
Oil filling	Silicon oil (Typical)   Olive oil available for sanitary application
O-ring	NBR, Viton
Housing and diaphragm	Stainless steel 304(SS316 for sensor inside)
Wire	4 wire (typical)   5 wire (available) 39×φ0.015, Silicon shielded, 200° C bearing
Weight	470g(approx)

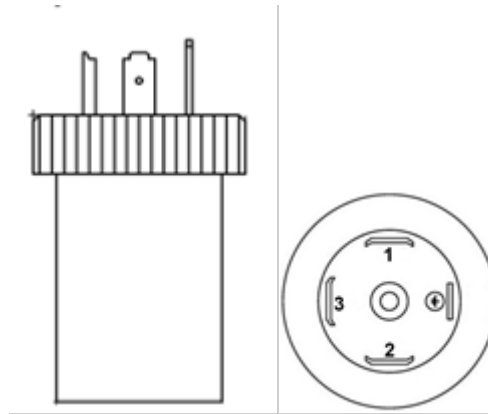
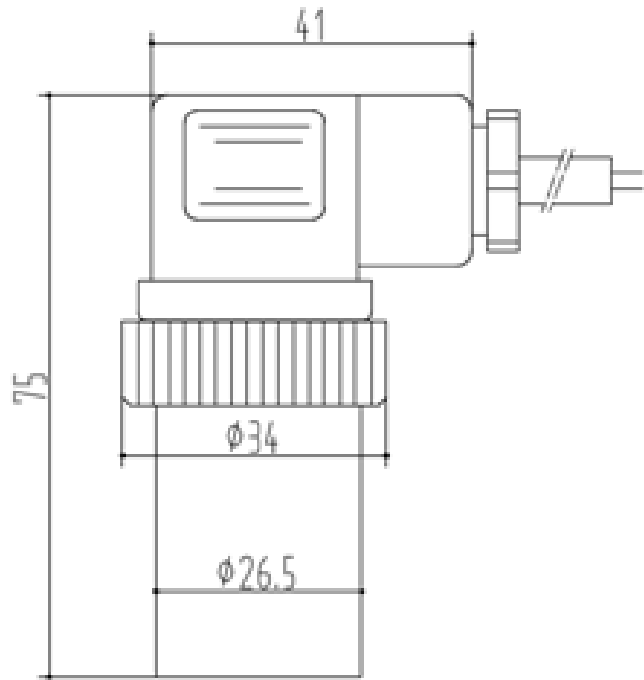
### Pressure connector



Wire	Connection
red	excitation+
blue	excitation-
yellow	output+
white	output-

CE

Electrical connection (DIN 43650)



In mm

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

PCM610(WTR04) XX—XX—XX—XX

Pressure range

Please write directly

Output

S1: 4 to 20mA

S2: 0.5 to 4.5V

Excitation

E1: 5V DC

E2: 24V DC

Pressure connection

A1: M20\*1.5

A2: G1/2

A3: 1/4-18NPT

A4: others (please specify)