



SERIES: PTF106

ACCURACY
better than
0.3%

With local indicator;
available as option



- ABSOLUTE OR GAUGE PRESSURE
- RANGES UP TO 250 BAR or 3000 PSI
- PRESSURE PEAK DAMPING ELEMENT
- LONG SERVICE LIFE AND GREAT STABILITY
- EXCELLENT ALTERNATING LOAD RESISTANCE
- TEMPERATURE COMPENSATION FOR -10...80°C
- GOOD ELECTROMAGNETIC (EMC) PROTECTION
- 316L ST. STEEL HOUSING & PROCESS CONNECTION
- LOCAL INDICATOR WITHOUT OR WITH TWO OPTO CONTACTS (OPTION)

INTRODUCTION

Indumart *PTF106* Series Pressure Transmitters are very accurate and reliable instruments which convert pressure inputs to current or voltage signals. These transmitters are equipped with a damping element to direct away pressure peaks or liquid hammering from their sensors, hence showing a high level of resistance to mechanical shocks. The typical response time of *PTF106* transmitters is 1 ms, and will never exceed 5 ms, even when the damping element is functioning and the fluid viscosity is at its peak.

Optionally the *PTF106* with current output can be combined with the *DIS100* indicator (IP65). This combination can have no contact or two opto contacts.

The industrial, heavy-duty *PTF106* meets the electromagnetic compatibility (EMC) requirements of IEC61000-6-2 and IEC61000-6-3.

Output	Load Resistant	U _{supply}
4 - 20 mA	(U _{supply} - 10V)/20mA	10 - 34 VDC
0 - 5 VDC	≥1.0 kΩ	10 - 30 VDC
0 - 10 VDC	≥2.0 kΩ	15 - 30 VDC
1 - 6 VDC	≥1.0 kΩ	12 - 30 VDC
0 - 20 mA	≥0.5 kΩ	24 VDC ± 20%

Code	Range	Over Range	Burst Pressure
01	0...1 bar	2 bar	30 bar
02	0...1.6	5	50
03	0...2.5	5	100
04	0...4	8	100
05	0...6	12	100
06	0...10	20	200
07	0...16	32	200
08	0...25	50	300
09	0...40	80	300
10	0...60	120	500
11	0...100	200	500
13	0...250	500	1000
21	0...15 psi	30 psi	1000 psi
22	0...30	60	2500
23	0...60	120	2500
24	0...100	200	2500
25	0...150	300	4500
26	0...200	400	4500
27	0...300	600	4500
28	0...400	800	4500
29	0...500	1000	4500
30	0...600	1200	4500
31	0...750	1500	4500
32	0...1000	2000	7500
33	0...1500	3000	7500
34	0...2000	4000	7500
35	0...3000	6000	7500

Please use XX code for vacuum, compound and special ranges.
Ex.: -1...4 bar, 0...5 bar, 0...12 bar, -10...30 psi, 0...120 psi, etc.

SPECIFICATIONS

Case & Wetted Parts	316L st. steel
Sensor	Ceramic, Al ₂ O ₃ (96%)
O-Ring	Viton
Accuracy	Better than 0.3% of full scale
Process Connection	¼"m, ¼"f (G or NPT), 7/16"-20UNF male or female
Pressure Type	Absolute; Positive; Negative
Response Time	1 ms typ. (10...90% of scale)
Output Signals	4 - 20 mA, 0 - 5 VDC, 1 - 6 VDC, 0 - 10 VDC 0.5 - 4.5 VDC
Power Supply	24 VDC or 24 VAC
Insulation Resistance	> 10MΩ, 250 VDC

Electric Connection	Plug with junction box, PVC Cable
Temp. Coefficient	
Zero & Span	±0.03% / k / FS (typical) ±0.06% / k / FS (maximum)
Medium Temperature	-25...85°C
Temp. Compensation	-10...80°C
Environ. Protection	IP-65, IP-67 as option
Vibration	4g (10...2000 Hz)
Shock	50g / 11 ms
EMC Emission	IEC 61000-6-3
Immunity	IEC 61000-6-2
Weight	110 g (0.24 lb)

ORDER CODES

Model PTF106

RANGE

Select a range from the table (01 to 35)

for special ranges use XX. Ex: -100...+400 kPa

PRESSURE

Absolute
Gauge

PROCESS CONNECTION

¼" NPT male
¼" NPT female
G ¼ male
G ¼ female
7/16"-20UNF male
7/16"-20UNF female

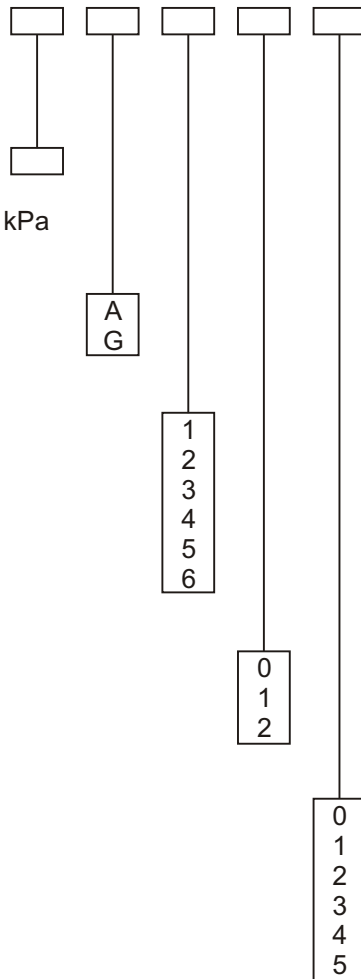
ELECTRICAL CONNECTION

DIN43650-A
M12x1 5-pol
1.5m, PVC Cable

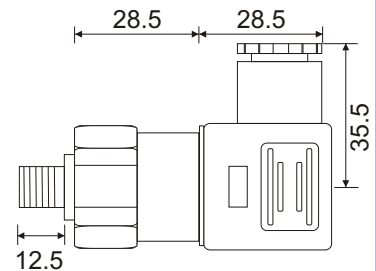
OUTPUT SIGNAL

4 - 20 mA
0 - 5 VDC
0 - 10 VDC (DC supply)
1 - 6 VDC
0.5 - 4.5 VDC
0 - 10 VDC (AC supply)

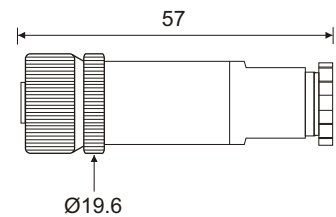
(Local indicator must be ordered separately)



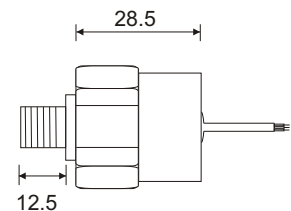
DIMENSIONS (mm)



DIN43650-a



M12X1 5-pol



Cable

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INDUMART INC.

1-15 W. Pearce St., Richmond Hill, Ont. L4B 1H6, Canada
Phone: (905) 707-9998 Fax: (905) 707-8484 E-mail: Sales@Indumart.com