



SERIES: PST600

- ACCURACY 0.25%
- 4...20 mA OUTPUT
- EXCELLENT STABILITY
- STAINLESS STEEL CASE
- SELECTABLE PRESSURE UNIT
- TEMPERATURE COMPENSATION
- TWO RELAYS WITH HYSTERESIS
- 4-DIGIT LED DISPLAY & ALARM INDICATION
- LONG SERVICE LIFE AND GREAT STABILITY
- EXCELLENT SHOCK AND VIBRATION RESISTANCE
- AVAILABLE RANGES: VACUUM TO 60 MPa (600 bar)



0.25%
ACCURACY

INTRODUCTION

Indumart *PST600 Series* of Indicating Pressure Transmitter/Switches are pressure indicators with two independent relays with adjustable hysteresis and one 4...20 mA output proportional to the pressure input.

These instruments are very accurate and reliable instruments which convert pressure inputs to current and show an exceptionally high level of resistance to mechanical shocks.

The electronics and sensing element of the *PST600 Series* are housed in a 100 mm (4 inch) diameter, stainless steel case. Depending upon

the required pressure, the measuring element is a stainless steel thin film, silicon piezoresistive or an alumina ceramic strain gauge. The built-in temperature compensation assures an accurate pressure measurement with temperature variations. Moreover, the instrument can be easily re-calibrated by the user at the site.

The pressure value is indicated in any of the four different pressure units (bar, psi, kPa, MPa); selectable by the user at the site on a large and very bright 4-digit LED indicator. The status of the two alarms is indicated on the face of the instrument.

Sensor	Code	Range			
		bar	kPa	MPa	
St. Steel	V1	-1...0	-100...0	-0.1...0	
	C1	-1...+1	-100...+100	-0.1~+0.1	
	C3	-1...+3	-100...+300	-0.1~+0.3	
	C5	-1...+5	-100...+500	-0.1~+0.5	
	C7	-1...+9	-100...+900	-0.1...+0.9	
	00	0~0.2	0...20	0~0.02	
	01	0~0.4	0...40	0~0.04	
	02	0~0.6	0...60	0~0.06	
	03	0...1	0...100	0~0.1	
	04	0...2	0...200	0~0.2	
	05	0...4	0...400	0~0.4	
	06	0...6	0...600	0~0.6	
	07	0...10	0...1000	0...1	
	Ceramic	08	0...20	0...2000	0...2
		09	0...30	0...3000	0...3
		10	0...40	0...4000	0...4
11		0...60	0...6000	0...6	
St. Steel	13	0...100		0...10	
	14	0...250		0...25	
	15	0...400		0...40	
	16	0...600		0...60	

	Code	Range (psi)	
St. Steel	V2	vac...0	
	C2	vac...+15	
	C4	vac...+30	
	C6	vac...+60	
	C8	vac...+100	
	20	0...3	
	21	0...5	
	22	0...10	
	23	0...15	
	24	0...30	
	25	0...60	
	26	0...100	
	27	0...200	
	Ceramic	28	0...300
		29	0...500
		30	0...800
31		0...1000	
St. Steel	32	0...1500	
	33	0...3000	
	34	0...5000	
	35	0...8000	

For special ranges, please use the code XX and mention the range in the order.

SPECIFICATIONS

Accuracy	0.25% of full scale
Sensor	Thin film (>7 MPa) Piezoresistive (<0.6 MPa) or Ceramic strain gauge (0.6 MPa to 7 MPa ranges)
Case Material	304 St. steel
Case Diameter	100 mm (4") nominal
Connection	Bottom
Display	4-digit LED; 20 mm high Alarm indicators (2)
Pressure Units	MPa, kPa, bar & psi
Measurement Res.	14 bit
Sampling Time	0.1 second
Process Connection	316 St. steel ½", ¼", M20x15 and other
Pressure Ranges	Positive, negative and compound
Over Pressure	2 x full scale
Relay Outputs	2 adjustable relays with adjustable hysteresis
Relay Rating	3A @ 250 VAC or 24 VDC
Analogue Output	4...20 mA
Power Supply	24 VDC
Insulation Resistance	>20MΩ, 500 VDC
Power Consumption	90 mA @ 24 VDC
Electric Connection	PUR Cable
Medium Temperature	-10...70°C
Ambient Temperature	-10...70°C
Temp. Compensation	-10...70°C
Environ. Protection	IP65

Indumart reserves the right to change the specifications without prior notice.

ORDER CODES

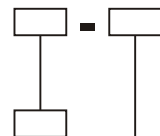
Model PST600 - -

RANGE

Select a range from the table

PROCESS CONNECTION

½" NPT male
¼" NPT male
G ½ male
G ¼ male
M20x1.5 male
Other



0
1
2
3
4
X



INDUMART INC.

25 Denison Street, Markam, Ontario L3R 1B5, Canada
Phone: (905) 944-9998 Fax: (905) 944-8482 E-mail: Sales@Indumart.com