



**Model: PPT25, 26, 27, 28;**  
**standard type for absolute pressure.**

The pneumatic type transmitters executed with a combination of vector balance mechanism and in volute mechanism.

The pneumatic transmitters are featured by high resistance against adverse environments, high turn-down ratio, high accuracy, and simple maintenance.

Description	Technical specifications						
Adjustable range	PPT25: 0-0,35 to 0-7 bar						
	PPT26: 0-0,1 to 0-2 bar						
	PPT27: 0-25 to 0-500 mmHG						
	PPT28: 0-5 to 0-100 mmHG						
Working pressure, overload protection, process connection	<u>Model</u>	<u>Working press.</u>	<u>Overload protect.</u>	<u>Process connect.</u>			
	PPT25	0 to 7 bar.abs.	14 bar.abs.	Rc½" or ¼" female ½" or ¼" NPT female			
	PPT26	0 to 2 bar.abs.	6 bar.abs.				
	PPT27	0 to 500 mmHG.abs.	4 bar.abs.				
PPT28	0 to 100 mmHG.abs.	4 bar.abs.					
Air supply connection	Rc¼" or ¼" NPT.F						
Air supply pressure	1,4 ±0,14 bar						
Output	0,2-1 bar or 3-15 psi						
External load	ID 4 mm x length 3 m +20 cm <sup>3</sup> or more						
Air supply capacity	20 NI/minute or more, with 50 mmHG change						
Air consumption	5 NI/minute or less (when balanced at output 100%)						
Accuracy, dead band	<u>Model</u>	<u>Span</u>		<u>Accuracy (%FS)</u>		<u>Deadband (%FS)</u>	
	PPT25	0,35 to <0,7 bar		≥0,7	±1	±0,5	0,1
	PPT26	0,1 to <0,2 bar		≥0,2	±1	±0,5	0,1
	PPT27	25 to <50 mmHG		≥50	±1	±0,5	0,1
		5 to <10 mmHG		≥10	±1	±0,5	0,1
PPT28	10 to <70 mmHG		≥70	±0,5	±0,75	0,1	
	Operating temperature						
Operating humidity	Body (primary part) -40 to +120°C, process fluid						
	Transmitter (secondary part)-30 to +80°C, ambient						
Construction	10 to 90% RH						
Materials	Dustproof and waterproof, meets; IEC IP54, NEMA Type 3R, JIS F8001 Class 3 splash proof, JIS C0920 rainproof						
	Bellows		316SS				
	Wetted parts gasket		Teflon				
	Body cover		Carbon Steel or 316 SS				
	Wetted part gasket		Teflon				
Transmitter case		Aluminium alloy					
Finish	Acryl baking finish colour light beige (MUNSELL 4Y7.2/1.3)						
Mounting	On vertical or horizontal 2 inch (50 mm) pipe						
Net weight	PPT25/26 approx. 5,5 kg (+0,8 kg for air set)						
	PPT27/28 approx. 8 kg (+0,8 kg for air set)						

## Optional specifications

(1) elevation and (2) suppression	<u>Model nr.</u>	<u>Span</u>	<u>Elevation (max)</u>
	PPT25	0,35 - 7	6
	PPT26	0,1 - 2	1,8
	PPT27	25 - 500	475
	PPT28	5 - 100	95
	PPT25/26 units in bar.abs., PPT27/28 units in mmHG.abs.		
Elevation + span ≤ max. pressure			
(3) filter pressure regulator	Adjustable output		2-9,9 bar
	Supply		1,4 bar
	Filter mesh		5 microns
	Connections		Rc¼" or ¼" NPT.F

## Ordering procedure

Basic model nr.	Cover mat'l	Bellows mat'l	Process conn.	Output	Option	Descriptions
	HP	HP				
PPT25	-----	-----	-----	-----	-----	0-0,35 to 0-7 bar.abs.
PPT26	-----	-----	-----	-----	-----	0-0,1 to 0-2 bar.abs.
PPT27	-----	-----	-----	-----	-----	0-25 to 0-500 mmHG.abs.
PPT28	-----	-----	-----	-----	-----	0-5 to 0-100 mmHG.abs.
	-1	-----	-----	-----	-----	CS (SF45A) (PPT27/28 only)
	-2	-----	-----	-----	-----	316 SS
		2	-----	-----	-----	316 SS
			A	-----	-----	Rc¼" internal thread
			B	-----	-----	¼" NPT internal thread
				1	-----	0,2-1 bar
				2	-----	3-15 psi
					-X	No option
					-1	Elevation
					-3	Air-set

# Dimensions

(Unit: mm)

