

TPT* - STATIC PITOT TUBES

The pitot tube measures the dynamic pressure, according to Bernoulli's equation of motion, generally a flow of gaseous air, steam, gas. The measure is a point source, so in practice it is conglifiable perform a weighted average of multiple readings empirically by following the profile of the flow and the geometry of the duct. Avoid laminar flows as well as very turbulent flows that compromise reliability and accuracy. The measurement range, thanks to modern technology electronic signal processing, is extended with good approximation between 1 ... 130 m / s, with high operating temperature ranges. It 'still sensitive to dirty fluids, abrasive and humid, with which it is advisable to adopt efficient cleaning systems, especially when placed in stationary. Possibility of thermo on some models that incorporate temperature probe.

Tube diameter 1.6 mm - Minimum conduit diameter 48 mm

Models	Tip Length mm	Max insertion length mm	Assembly	Temperature °C	Flow coefficient
TPT102H		50	1/8" M NPT not adjustable	482	1.0
TPT104H		101			
TPT106H		152			
TPT108H		203			
TPT110H		254			
TPT112H		304			
TPT114H		355			
TPT116H		406			
TPT118H		457			
TPT120H		508			
TPT124H		609			



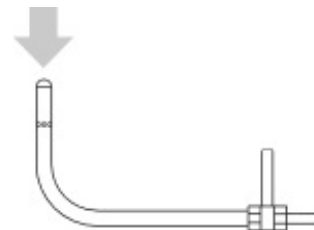
Tube diameter 3.2 mm - Minimum conduit diameter 96 mm

Models	Tip Length mm	Max insertion length mm	Assembly	Temperature °C	Flow coefficient
TPT301H	38	152	1/8" M NPT adjustable	426	1.0
TPT302H	76	152			
TPT303H	38	304			
TPT304H	76	304			



Tube diameter 7.9 mm - Minimum conduit diameter 238 mm

Models	Tip Length mm	Max insertion length mm	Assembly	Temperature °C	Flow coefficient
TPT808	190	203	probe smoother	815	1.0
TPT812		305			
TPT818		457			
TPT824		607			
TPT836		914			
TPT848		1219			
TPT860		1524			



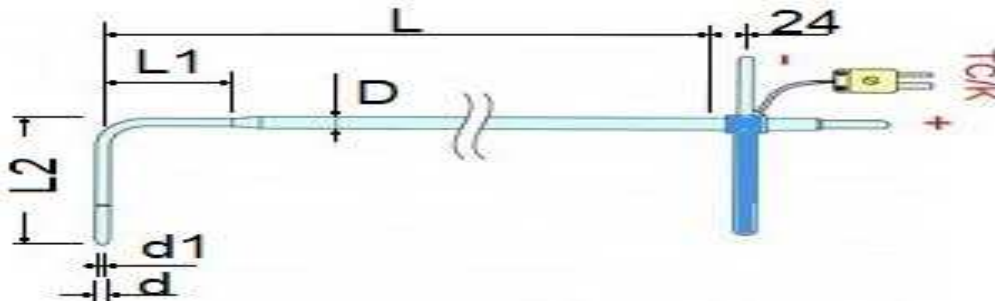
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TPT PITOT TUBES



DESCRIPTIONS

Models	d mm	d1 mm	D	L mm	L1 mm	L2 mm.	TC/K
TPT 1	3	1	6	300	30	72	
TPT 2	5	2	8	400	45	120	
TPT 3	5	2	8	600	45	120	
TPT 4	8	3.2	8	500	-	192	
TPT 5	8	3.2	8	800	-	192	
TPT 6TC	8	3.2	8	800	-	192	Yes
TPT 7	10	4	10	500	-	240	
TPT 8	10	4	10	800	-	240	
TPT 8TC	10	4	10	800	-	240	Yes
TPT 9	10	4	10	1000	-	240	
TPT 10TC	10	4	10	1000	-	240	Yes

TECHNICAL SPECIFICATIONS

Operating Temperature: 600°C
 Operating Pressure: -1...20 bar
 No Reynolds: Re min 10000 max 1000000
 Dynamic viscosity: max 0.01 m²/s (10000 cSt)
 Rangeability: 1:10 ... 1:100
 Straight section: L/Diam = 10/1 minimum
 Material construction: S.S. 316
 Accessories: **TPD4DP** DP transmitter / speed, with 4-digit LCD display, 24VAC / DC
 Dimensions 80x84x44 mm Accuracy +/- 1%
 Connections diameter 5 mm for flexible hose
 Dual analogue output 4/20 mA and 0/10 V



range 1 Pa	range 2 Pa	Accuracy
0...50	0...100	+/- 3%
0...100	0...250	+/- 1.5%
0...250	0...500	+/- 1%
0...500	0...1000	+/- 1%
-50...50	-100...100	+/- 1.5%
-100...100	-250...250	+/- 1%
-250...250	-500...500	+/- 1%
-500...500	-1000...1000	+/- 1%



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