



PI-4

Pitot assembly Tube + pressure sensor

Range 12.5 to 76 mBars
0.18 to 1.10 Psi
Accuracy $\pm 0.25\%$ FS
Sensitivity See calibration table
Gravity sensitivity 1 mV/g
Cut off frequency 200 Hz
Offset 0.5 +/- 0.1 V

Supply voltage 5 to 16V
Supply current 2 mA
Output voltage 0 – 5 V
Output Impedance 47 Ω

Offset drift (20 to 80°C) 20 mV
Sensitivity drift (20 to 80°C) 1%

Dimension 24x22x14.5 mm
Tube $\varnothing 4$ mm 100x66 mm
Material Aluminium + stainless steel tube
Weight 45 g

Vibration test 20 Gpp 5'
Shock 500 G

Operating temp 0 to +85 °C
Storage temp -20 to +125 °C

1 m cable of 3X26AWG FEP
tinned copper braided cable 250V 200°C

Ordering ref	ex: PI-4-70
PI - 4 - Range mB	
12,5	
25	
50	
70	
76	

Red Supply
White Signal
Blue (or Black) 0 V
Braid Connected to case

Max Air speed at 25°C ambient temperature and 1000 HPa atmospheric pressure				
12,5mB	25mB	50mB	70mB	76mB
166 km/h	235 km/h	330 km/h	394 km/h	410 km/h

Calibration table			
12.5 mB 0,18 Psi	0°5 @ 0	4°5 @ 125mmH ₂ O	32 mV/mmH ₂ O
25 mB 0,36 Psi	0°5 @ 0	4°5 @ 250mmH ₂ O	16 mV/mmH ₂ O
50 mB 0,72 Psi	0°5 @ 0	4°5 @ 500mmH ₂ O	8 mV/mmH ₂ O
70 mB 1,01 Psi	0°5 @ 0	4°5 @ 700mmH ₂ O	5,7 mV/mmH ₂ O
76 mB 1,10 Psi	0°5 @ 0	4°5 @ 760mmH ₂ O	5,3 mV/mmH ₂ O

