



texense
world pro by TEXYS

PI-4	CYAN
	TXCY190204-2
PITOT ASSEMBLY TUBE + PRESSURE SENSOR	
Ref: PI-4-76-100	SN : P19020027

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Range	12.5 to 76 0.18 to 1.10	mbar Psi
Accuracy	0.25	%
Sensitivity	See calibration table	V/FS
Gravity sensitivity	1	mV/G
Cut off frequency	200	Hz
Offset	0.5 +/- 0.1	V
Supply Voltage	5 to 16	V
Supply Current	5	mA
Output Voltage	0-5	V
Output Impedance	47	Ω
Calibrator	Mensor CPC 4000	
Offset Drift (0 to 80°C)	20	mV
Sensitivity Drift (0 to 80°C)	1	% FS
Dim	24x22x14.5 Tube Ø4mm 100x66	mm
Weight (without cable)	25	g
Material	Aluminium + stainless steel tube	
Protection	IP 64	
Vibration test	20 Gpp 5'	
Shock	500	G
Operating Temp	0 to +85	°C
Storage Temp	-20 to +125	°C

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

Warning:

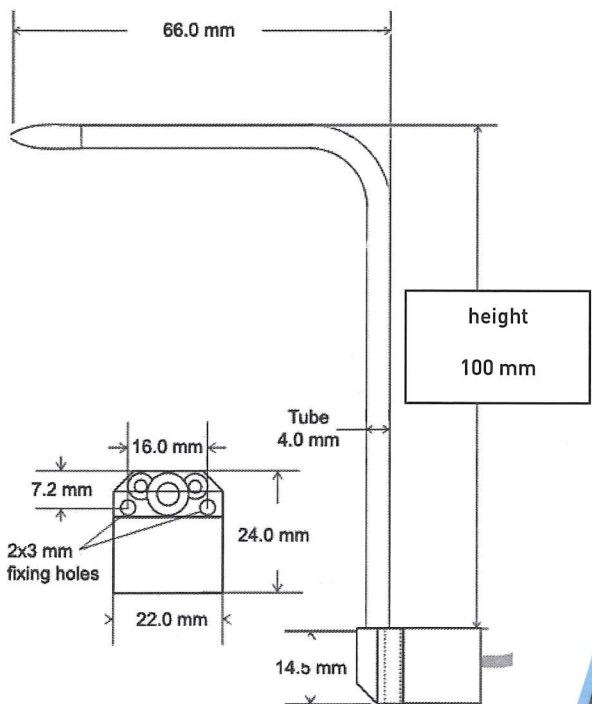
- Do not blow into the tube, with the mouth or an air line
- The sensor doesn't withstand high humidity, there is a risk of obstruction if water enters in the tube
- Beware of condensation at low temperature

Sensor Readings	
0.498 V at 0 mbar	Sensitivity 52.64 mV/ mbar
4.499 V at 76 mbar	

Cable : 3x26AWG FEP Tinned copper braided cable 250V 200°C
Length : 1000 mm Tubing: /
Connector : /

Colour	Function	Pin
Red	Supply	
White	Signal	
Black	0V	
Braid	Connected to case	

Calibration table			
12.5 mbar 0,18 Psi	0 ^v 5 @ 0	4 ^v 5 @ 12,5 mbar	320 mV/ mbar
25 mbar 0,36 Psi	0 ^v 5 @ 0	4 ^v 5 @ 25 mbar	160 mV/ mbar
50 mbar 0.72 Psi	0 ^v 5 @ 0	4 ^v 5 @ 50 mbar	80 mV/ mbar
70 mbar 1.01 Psi	0 ^v 5 @ 0	4 ^v 5 @ 70 mbar	57 mV/ mbar
76 mbar 1.10 Psi	0 ^v 5 @ 0	4 ^v 5 @ 76 mbar	53 mV/ mbar



Ordering ref ex : PI-4-70-200
PI - 4 - Range mbar -height mm*

12,5
25
50
70
76

*Option: PI-4 tube 200 mm (std 100mm)

