

# PI-4

## PITOT ASSEMBLY TUBE + PRESSURE SENSOR

Ref: \_\_\_\_\_ SN : \_\_\_\_\_

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	Height of water	
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		
_____ V at _____ mbar	Sensitivity mV/ mbar	
_____ V at _____ mbar		

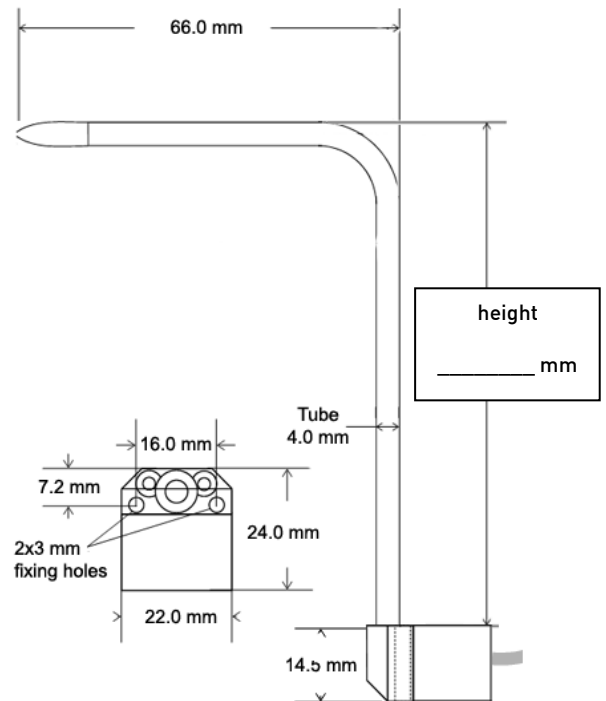
Cable : 3x26AWG FEP Tinned copper braided cable 250V 200°C

Length : \_\_\_\_\_ 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°5 @ 0	4°5 @ 12,5 mbar	320 mV/ mbar
25 mbar 0,36 Psi	0°5 @ 0	4°5 @ 25 mbar	160 mV/ mbar
50 mbar 0.72 Psi	0°5 @ 0	4°5 @ 50 mbar	80 mV/ mbar
70 mbar 1.01 Psi	0°5 @ 0	4°5 @ 70 mbar	57 mV/ mbar
76 mbar 1.10 Psi	0°5 @ 0	4°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)