PI-6

Pitot pressure sensor

PI-6-###-### SN: P########

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

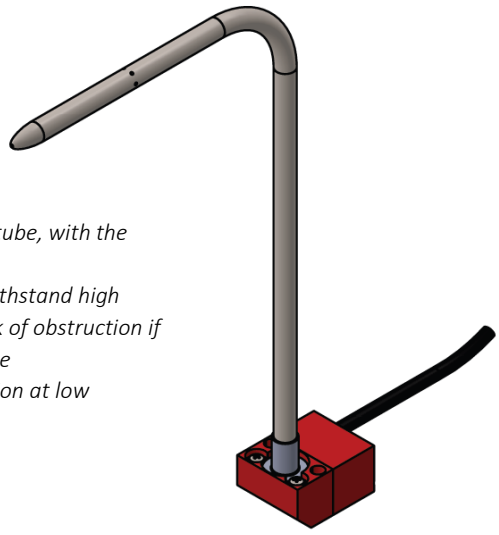
Pressure measurement						
Range	12.5	25	50	70	76	mbar
	0.18	0.36	0.73	1.02	1.10	psi
Sensitivity	320	160	80	57	53	mV/mBar
Accuracy	1					%FS
Sensitivity drift (0 to 80°C)	1					%FS
Gravity sensitivity	1					mV/G
Cut-off frequency	200					Hz
Offset	0.5 ± 0.1					V
Offset drift (0 to 80°C)	20					mV
Electrical features						
Supply voltage	6 to 16					V
Supply current	5					mA
Output voltage	0 to 5					V
Output impedance	47					Ω
Calibrator	Mensor CPC 4000					
Mechanical features						
Dimensions	28 x 22 x 14.5					mm
Material	Aluminium and stainless steel					
Weight	55					g
Environmental features						
Protection	IP64					
Vibration test	20 Gpp 5'					
Shock	500					G
Operating temp	0 to 85					°C
Storage temp	-20 to 125					°C

Date		Operator	
Customer			
Order			
Product Ref	PI-6-###-###		

Cable		
3x26 AWG FEP tinned copper braided cable 250V 200°C Length: 1000mm ±10% Tubing: None Connector: N/A		
Color	**Function**	**Pin**
Red	Supply input	-
White	Signal	-
Black	0V	-
Braid	Connected to case	-

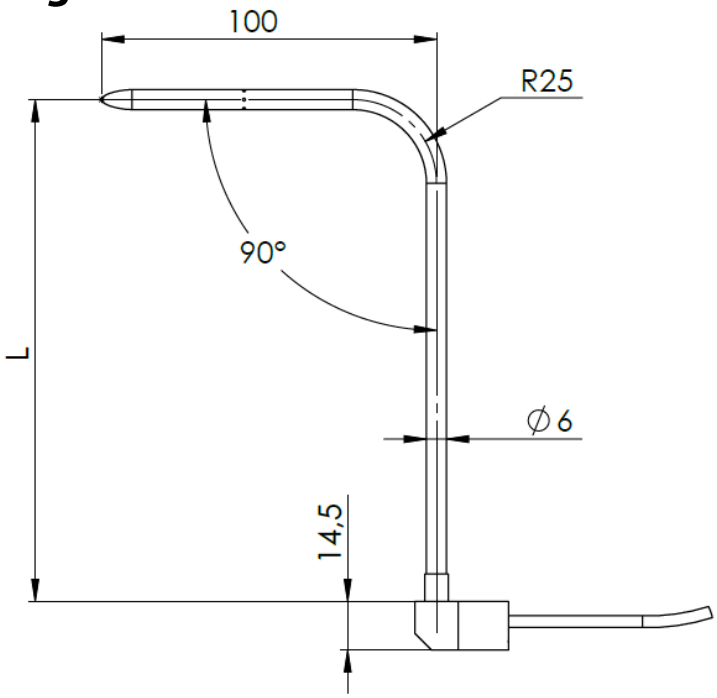
Sensor readings		
Sensitivity … mV/mbar	… mbar	… V
	… mbar	… V

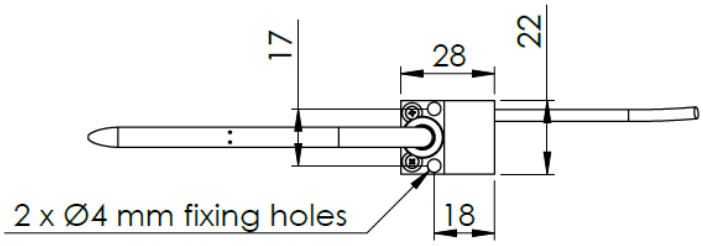
Maximum airspeed at 25°C and 1000mbar atmospheric pressure				
12.5 mbar	25 mbar	50 mbar	70 mbar	76 mbar
166 km/h	235 km/h	333 km/h	394 km/h	410 km/h



**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*

Mechanical drawing





Ordering information

Ordering ref:

PI-6-Range-L

Range in mBar	*Tube length in mm*
12,5	130
25	300
50	
70	
76	

Ex : PI-6-76-130

For other tube lengths, please contact your TEXYS sales representative.