



Yaw Pitot-S

Pressure sensor for YAW pitot tube

Differential Pressures

Range	-50 to +50 or -76 to +76 mbar
Accuracy	±1 % FS
Resolution	0.01 mbar
Non-linearity / Hysteresis	±0.3 % FS
Max thermal drift	±0.5 % FS
Sampling freq.	200 Hz
Output frequency	1, 5, 10, 50 or 100 Hz
Calibrator	Mensor CPC3000

Static (atmospheric) pressure

Range	600 to 1200 mbar
Accuracy	±3 mbar
Resolution	0.01 mbar
Sampling freq.	25 Hz
Output frequency	25 Hz
Calibrator	Mensor CPC3000

Board Temperature

Range	+5 to +105°C
Accuracy	±0.3°C
Resolution	0.1°C
Sampling freq.	25 Hz

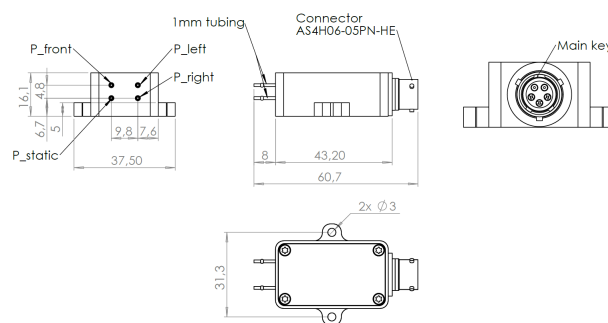
Yaw Angle

Range	-40 to +40°
Typical accuracy at 1Hz	±2 (from -25° to +25°) ±4 (from ± 25° to ± 40°)

Supply voltage	6 to 16V
Supply current	25 mA
Output	CAN Bus 2.0A or B
Dimensions	60.7 x 37.5 x 16.1 mm
Weight (with cable)	35 g

Vibration test	20 Gpp 5'
Shock	500 G
Box protection	IP64

Operating temp	+5 to +85°C
Storage temp	-40 to +125°C



Mating connector: ASL606-05SN-HE

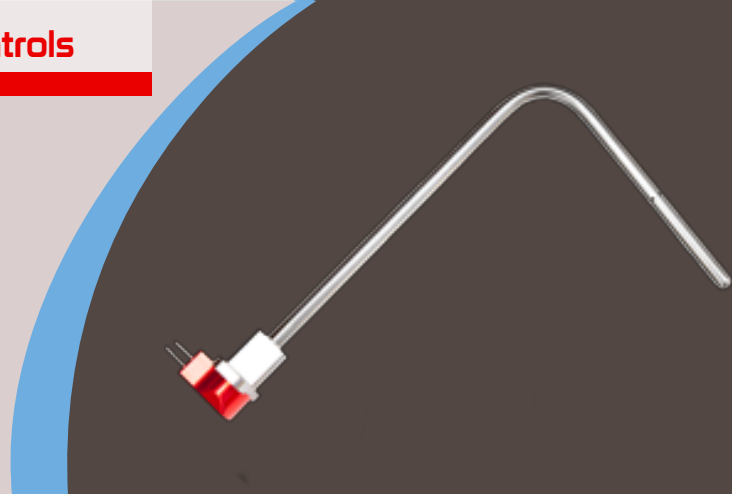
Pin	Function
1	Supply
2	0V
3	CAN Low
4	CAN High
5	Reserved

Ordering ref.:

YAW PITOT-S - Range(mbar)

50
76

Ex: YAW PITOT-S-76



Yaw Pitot-T

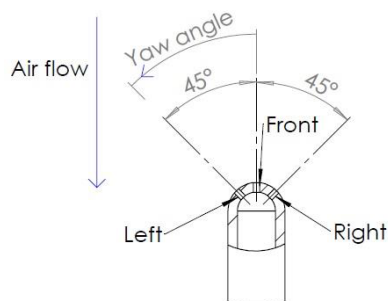
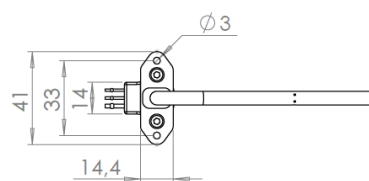
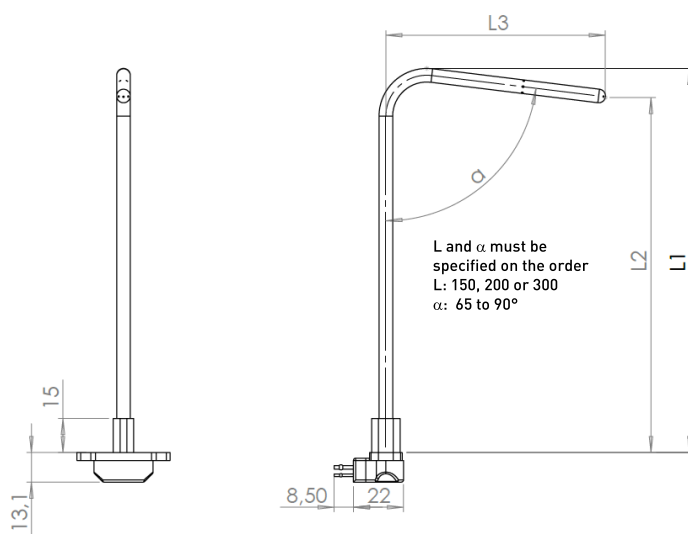
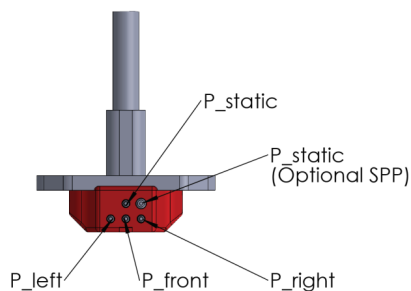
YAW Pitot tube

Common

Dimensions	See drawing mm
Material	Aluminium
Weight	150 mm tube 55 g 200 mm tube 59 g 300 mm tube 78 g
Housing Protection	IP64
Vibration Test	20Gpp5'
Shock	500 G
Operating Temp	+5 to +85°C
Storage Temp	-40 to +125°C

Pressure Ports

Standard ports tube	1 mm
Optional SPP tube	1.6 mm



$$\text{Yaw angle} = f((P_{\text{left}} - P_{\text{right}}) / (P_{\text{front}} - P_{\text{static}}))$$

Ordering ref.:

YAW PITOT T - L[mm]/α[°] - SPP

150/90
200/80
300/90

Option SPP: Static Pressure Port

Ex: YAW PITOT V2-150/90-SPP