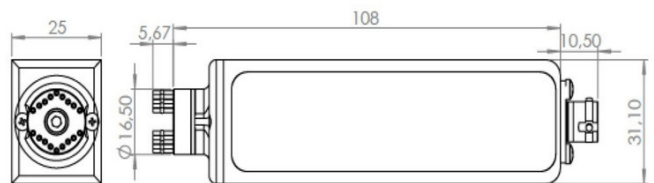


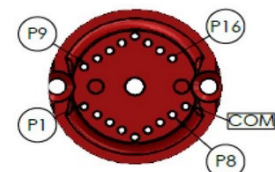
# 16xPDIF-R

## 16-Channel differential pressure sensor for CAN Bus

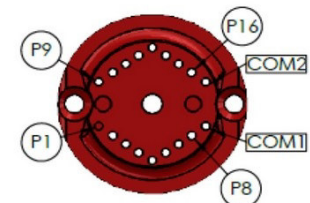
<b>Range</b>	$\pm 50$ to $\pm 1000$ mBar $\pm 0.7$ to $\pm 15$ Psi
<b>Sensitive element</b>	Piezzo resistive cells
<b>Accuracy at FS</b>	$\pm 0.5$ % FS
<b>Non linearity/Hysteresis</b>	$\pm 0.7$ % FS
<b>Offset drift</b>	$\pm 0.5$ % FS
<b>Sensitivity drift</b>	0.5 %
<b>Sampling Frequency SF</b>	200 Hz
<b>CAN bus 2.0A or B</b>	120 $\Omega$ , not installed (on demand)
<b>Output data</b>	Calibrated pressure : 2 bytes per channel (signed int)
<b>Unit</b>	1 mPSI/bit
<b>Baud rate</b>	125k to 1 Mbps
<b>Data frequency</b>	1 to 200 Hz or on trigger
<b>Supply voltage</b>	6 to 16V
<b>Supply current</b>	30 mA
<b>Dimension</b>	100x28x14 mm
<b>Material</b>	Aluminium
<b>Weight</b>	95 g
<b>Vibration test</b>	20Gpp 5'
<b>Shock</b>	500 G
<b>Operating temp</b>	5 to +85 °C
<b>Storage temp</b>	-40 to +125 °C



Manifold 1x16 channel



Manifold 2x8 channel



### Ordering reference:

16xPDIF-R - range - option

50: $\pm 50$ mB	
350: $\pm 350$ mB	
1000: $\pm 1B$	
N: none	
Z: auto-Zero	

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document.

This sensor withstands high humidity. Avoid water entering in the tube as well as condensation, it may block the pressure. Do not blow into the tubes with the mouth or a compressed air line

PIN	Function
1	Supply
2	0 V
3	CAN Low
4	CAN High
5	Reserved, do not connect
6	Reserved, do not connect

Connector : 8STA00406PN  
Mating connector : 8STA60406SN