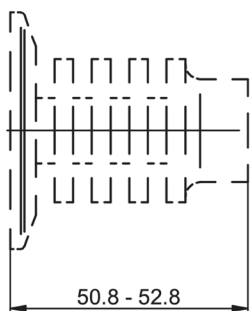


# PBMH hygienic

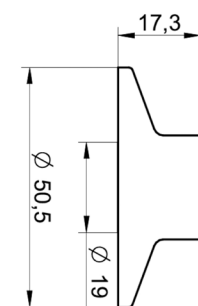
## PBMH hygienic Pressure Transducer



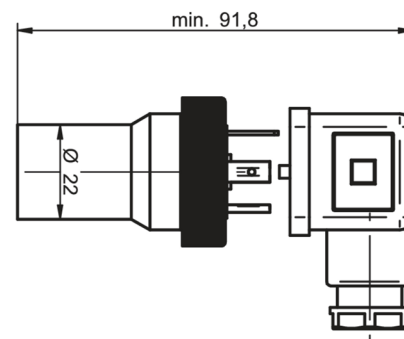
- + Flush membrane with hygienic approval
- + SIP/CIP compatible
- + 3-A and EHEDG certified
- + Surface roughness of process connection  $\leq 0.8 \text{ Ra}$
- + Compact design
- + Excellent temperature characteristics



Tri-Clamp  $\varnothing 50.5$ ,  
membrane  $\varnothing 19 \text{ mm}$



Cooling neck



Housing with connector  
DIN EN 175301-803 A  
(DIN 43650 A), 4-pin

Pressure range 0 to 5 BarA

Accuracy  
(linearity, hysteresis and  
repeatability) 0.1% FS

Maximum medium temperature range  
-40 ... +125 °C (without cooling neck)  
-40 ... +200 °C (with cooling neck)

SIP / CIP compatible Medium temperature up to 150 °C (< 60 minutes) without cooling neck  
Medium temperature up to 200 °C (permanent) with cooling neck

Zero thermal drift  $\leq \pm 0.03\% \text{ FS}/10 \text{ K}$   
Span thermal drift  $\leq \pm 0.03\% \text{ FS}/10 \text{ K}$

Annual stability 0.1 % FS  
Response time (10-90%)  $\leq 5 \text{ ms}$

Protection rating IP65 (EN 60529) up to IP67 (depending on electrical connection)

Output signal/Power Supply 0...10 V / 13 ... 30 VDC

### Order Reference

PBMH25

### Standard Calibration Points

hysteresis at 23°C and 130°C:

- 0.05 BarA
- 0.50 BarA
- 1.00 BarA
- 1.50 BarA
- 2.00 BarA
- 2.50 BarA
- 3.00 BarA
- 3.50 BarA
- 4.00 BarA
- 4.50 BarA
- 5.00 BarA

