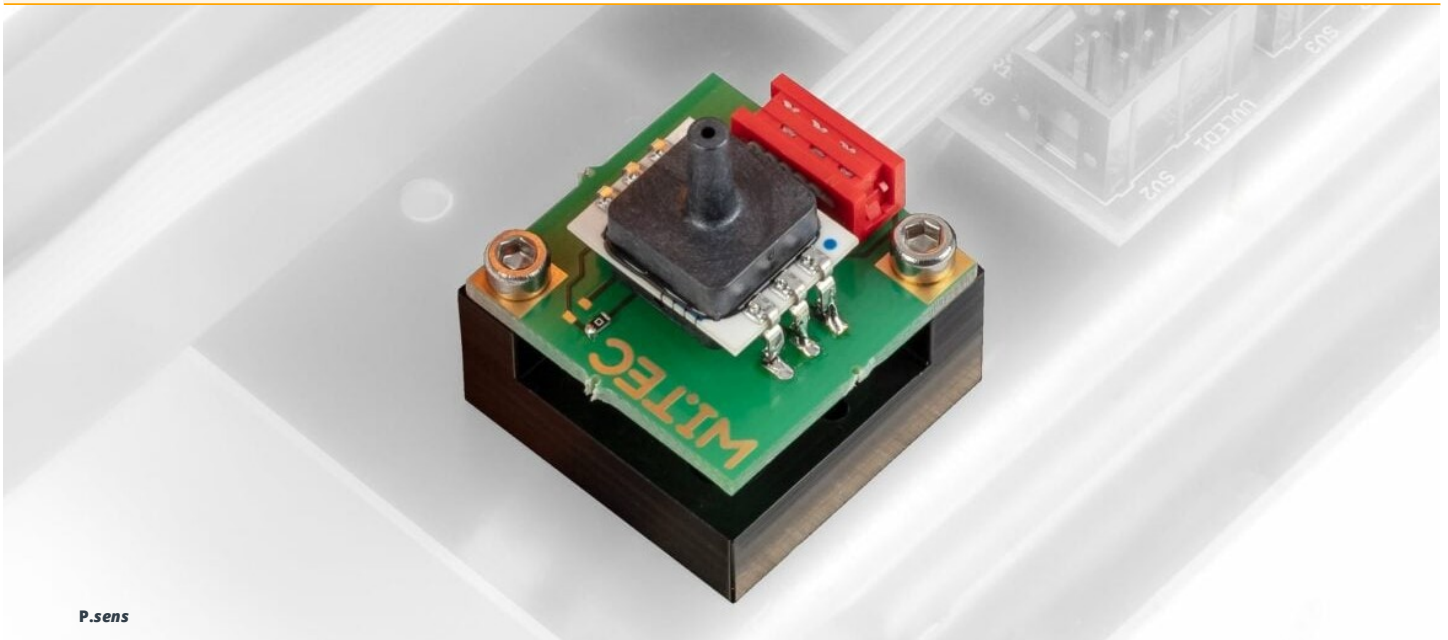


Overview



P.sens

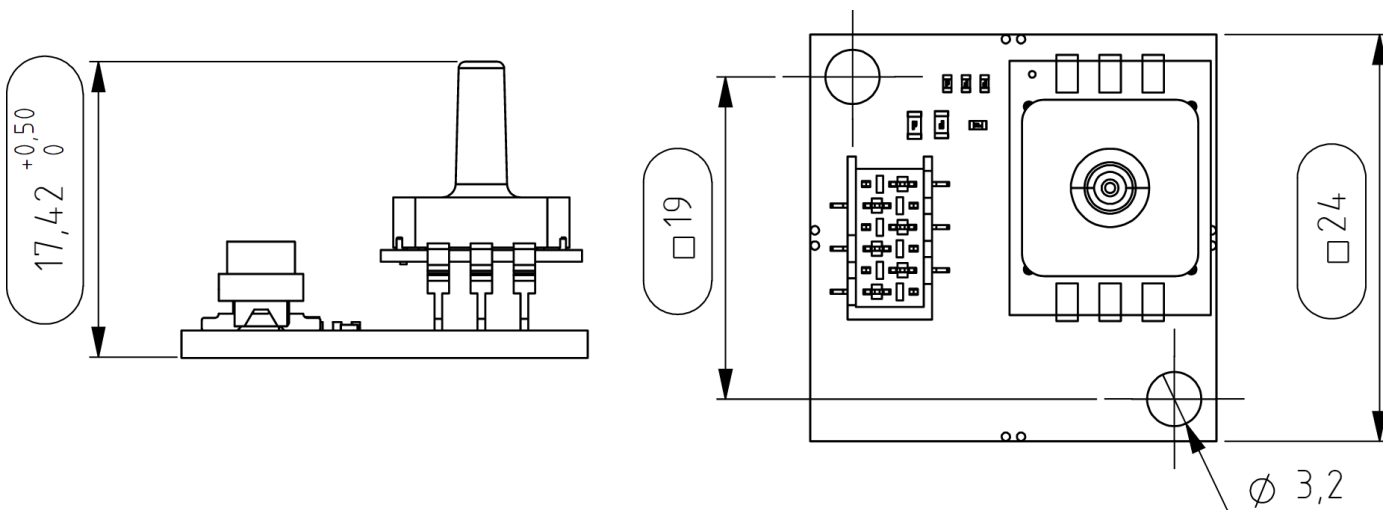
**Applications**

- > Wi.Tec option for **ULTRA.sens®** **INFRA.sens®** & **KOMBI.sens®** series
- > with pressure fluctuating processes
- > especially recommended for modules used in different pressure regions

**Features & Benefits**

- > pressure compensation (800 – 1100mbar; 600 – 1100mbar) for each calibrated gas, which is stored in the EEPROM
- > high resolution of 1mbar
- > high accuracy
- > small size

**Dimensions**



Subject to change without notice. // 2022-02 Rev.01

## Technical Data

General features		
Dimensions [H x W x L] <sup>1</sup>	17.43mm x 24mm x 24mm	17.43mm x 24mm x 24mm
Weight	50g	50g
Tube connector	5/2mm tube	5/2mm tube
Measurement range	600mbar – 1100mbar	800mbar – 1100mbar
Medium contact materials <sup>2</sup>	Pressure die: silicon Bond wires : gold Die and Lid attach : silicone / fluorosilicone adhesive Lid material: liquid crystal polymer Ceramic: Al <sub>2</sub> O <sub>3</sub>	Pressure die: silicon Bond wires : gold Die and Lid attach : silicone / fluorosilicone adhesive Lid material: liquid crystal polymer Ceramic: Al <sub>2</sub> O <sub>3</sub>
Measuring response <sup>3</sup>		
Resolution	0,1mbar	0,1mbar
Response time(t <sub>90</sub> ) <sup>4</sup>	1.5 – 15s	1.5 – 15s
Operating pressure	600 – 1100mbar(a)	800 – 1100mbar(a)
Proof pressure <sup>5</sup>	2bara	2bara
Burst pressure <sup>6</sup>	3bara	3bara
Climatic conditions		
Operating temperature	0 – 50 °C	0 – 50 °C
Storage temperature	-20 – 60 °C	-20 – 60 °C
Air pressure	600 – 1200 hPa (mbar)	800 – 1200 hPa (mbar)
Ambient humidity	0 – 95% rel. humidity (not condensing)	0 – 95% rel. humidity (not condensing)

F.S. full scale <sup>1</sup> height without the 5/2mm tube <sup>2</sup> To be used with non-corrosive, non-ionic working fluids such as clean dry air, dry gases and the like  
<sup>3</sup> related to T<sub>0</sub> = 25°C ; RH = 50% ; flow = 1l/min <sup>4</sup> depends on filter settings <sup>5</sup> Proof pressure is the maximum pressure which may be applied without causing durable shifts <sup>6</sup> Burst pressure is the maximum pressure which may be applied without causing damage