

Minipiezometer

Types PP 16 SS AU and P 16 SS AU




These miniature pressure transducers have been specially developed for the measurement of hydrodynamic and aerodynamic pressures over a wide frequency band. The pressure-sensitive element is a high-sensitivity piezoresistive chip in micro-machined silicon. Mounted in a stainless-steel casing with sintered metal, it is protected from the external environment by a thin coating of silicone elastomer. Electrical supply and signal measurement are by means of a subminiature screened cable sealed to the back of the transducer casing.

TECHNICAL DATA

Dimensions (Ø / length)	12 mm / 17,5 mm
Weight	16 g
Filter type	Sintered metal
Material	V4A 1.4571
Filter area	0.8 cm ²
Protection class	IP 68

SENSOR-SPECIFIC DATA

Sensor type	 AU Pressure Sensor piezoresistive, 4-wire system
Supply	1 mA
Output signal	0–250 mV
Standard measuring ranges	1 / 2 / 5 / 10 bar
Over range	100 % FS
Resolution	± 0.01 % FS
Accuracy (laboratory)	± 0.5 % FS
Linearity	< 0.5 % FS
Temperature range	+5 °C bis +80 °C
Thermal zero shift	≤ 0.06 % FS/K