

PIEZORESISTIVE OEM PRESSURE TRANSDUCERS

SEALED GAUGE, ABSOLUTE, VENTED GAUGE, DIFFERENTIAL

SERIES 10

The Series 10 pressure transducers cover all pressure ranges from 100 mbar to 1000 bar. They have been produced for over 20 years and are the premium product of the KELLER OEM-line. They are all delivered with engraved serial number and electrical leadouts. Several millions of these pressure transducers are in use world-wide in a variety of different applications. Main fields of application are: Level technology, pneumatics, hydraulics, avionics.

A high-sensitivity piezoresistive silicon chip is used for pressure sensing. The chip is protected against ambient influences by a stainless steel housing sealed with a concentrically corrugated diaphragm. The housing is filled with silicone oil so as to ensure the transfer of the pressure from the diaphragm to the sensing component.

All metal parts in contact with the pressure media are made of stainless steel 316L. The fully welded housing is vacuum-tight.

A RUGGED PRESSURE TRANSDUCER

The piezoresistive chip immersed in silicone oil is welded into a housing made of stainless steel 316L.

HIGH SENSITIVITY

A nominal signal of 900 mV is obtained at a supply current of 4 mA for the standard pressure ranges above 2 bar.

FLEXIBILITY

Versions: absolute pressure, sealed gauge, barometric, vented gauge and wet/wet differential. 18 nominal measurement ranges from 0,1 to 1000 bar. Different materials (Hastelloy, Platinum, Inconel, Monel among others). Various kinds of oil filling (olive oil, fluorinated oil, low temperature oil etc.)

QUALITY

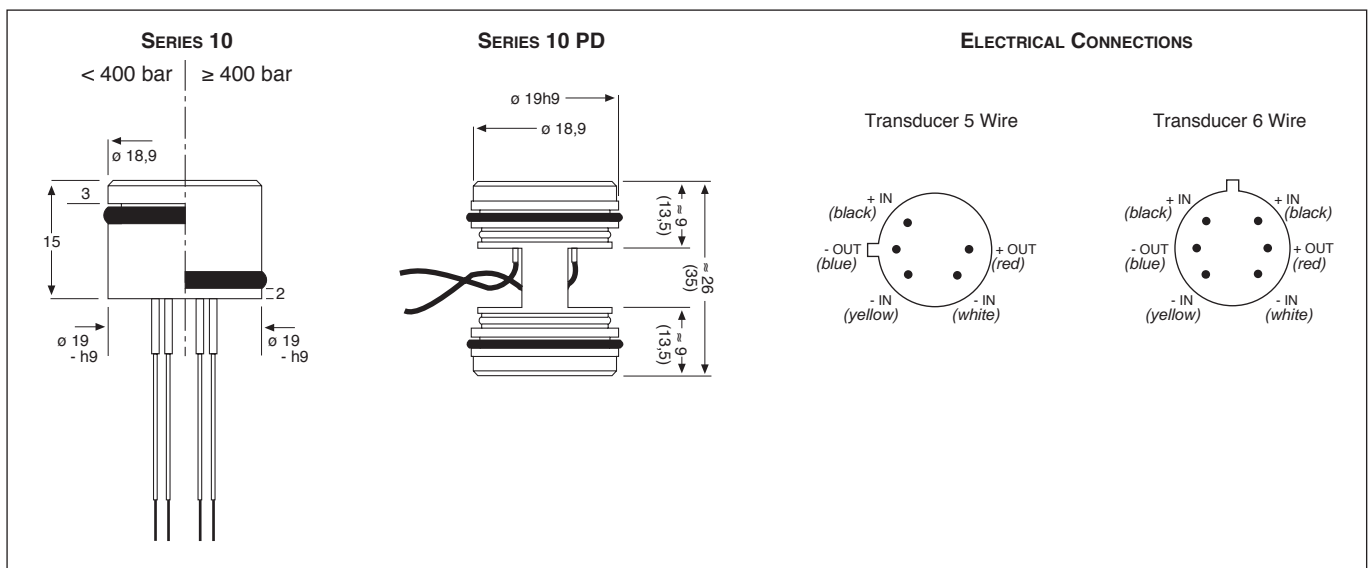
Each pressure transducer is subjected to comprehensive tests as to its pressure response and temperature characteristic, and is delivered with an individual calibration certificate stating the characteristics as well as the results of all tests which were performed. Special testing is available if demanded by the customer.



SERIES 10



SERIES 10 PD



Subject to alterations

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