



MINIATURE 1:1 PRESSURE TRANSMITTER

Type PR



DESCRIPTION

KLAY miniature 1:1 pressure repeater has been developed for measuring pressure from plugging fluids, in pulp- and paper or other types of industry, where plugging is a problem. The small diameter of the transmitter (25.8 mm / 1") permits flush installation with the inside wall of pipes over 50 mm (2") and thereby avoids the pocketing problems encountered with conventional flange mounted pressure transmitters and chemical seals. Its accuracy is not effected by temperature changes which is in sealed systems often a problem. RANGES available from 1 to 10 bar, ranges below 3.7 bar need a minimum air supply of 4.2 bar, ranges above 3.7 bar need a minimum of 0.5 bar above process pressure as supply pressure. ACCURACY ± 0.01 bar throughout range, zero error less than 0.07 bar, repeatability better than 0.03% from span.

ORDERING INFORMATION

KLAY 1:1 pressure transmitter including a SS 316 L weld-on nipple ($\varnothing 33$ mm).
Order code is shown below, specify the range.

ORDER CODE: **KLAY- PR - 7 BAR - V - HA - HT**

MODEL _____
 RANGE (SPECIFY) _____
 O-RING (VITON) _____
 DIAPHRAGM (HAVAR) _____
 TEMPERATURE (200°C) _____

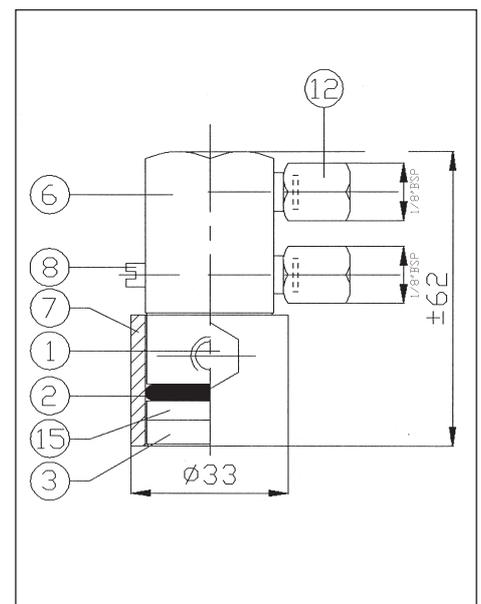
- Available on request special O-rings (extra price)
- Available on request Hastelloy C wetted parts (extra price).

Use our type LT-SAN for ranges lower than 1 bar or on level applications.

Parts description

- | | | |
|------------------------|--------------------|------------------------|
| 1 - Set screw & washer | 6 - Body | 12 - Supply/gauge port |
| 2 - Outer O-ring | 7 - Weld-on nipple | 15 - Rear lock ring |
| 3 - Diaphragm-ring | 8 - Needle valve | |

DIMENSIONS (mm)



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