



PRESSURE TRANSDUCERS MPX SERIES

Pressure transducers MPX series – Minitron, are used to measure both relative and absolute pressure of liquids and gases also chemical aggressive.

CHARACTERISTIC

- very good stability and accuracy
- small size and weight
- high performance
- good reliability

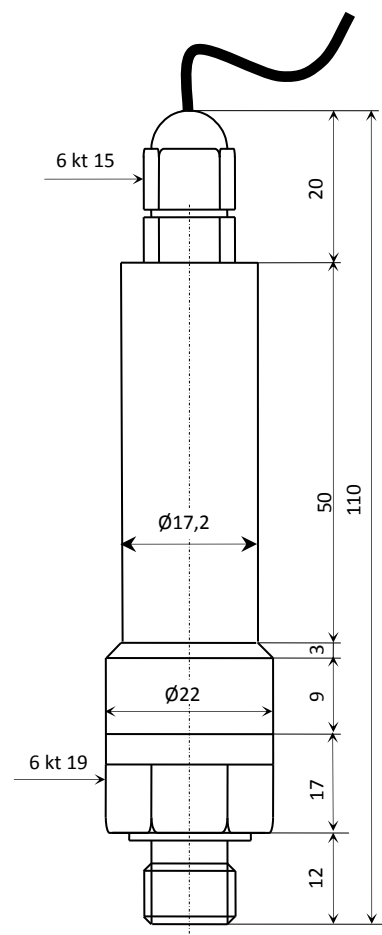
CONSTRUCTION

The basic element of this series is a piezo-resistive sensor placed in case made of stainless steel. Electronic board converts signal from this sensor to one of standard analog voltage or current output signals.

TECHNICAL DATA

SMR [bar] <small>(standard measure range)</small>	-0,2	-0,5	0,2	0,5	1	5	10	20	100	200
Overpressure [bar]	2,5				3x MR					1,5x MR

1.	Power supply [VDC]	<ul style="list-style-type: none"> • 9÷30 for output signal 1÷5V <small>(three wires)</small> • 10÷36 for output signal 4÷20 mA <small>(two wires)</small> • 15÷30 for output signal 0÷10V <small>(three wires)</small> • 10÷30 for output signal 0÷5 V <small>(three wires)</small>
2.	Output signals	<ul style="list-style-type: none"> • 1 ÷ 5 V $R_{load} > 2 \text{ k}\Omega$ • 4÷20mA $R_{load} \leq (U_B - 10) \text{ V} / 0,02 \text{ A}$ • 0÷10V $R_{load} > 2 \text{ k}\Omega$ • 0÷5V $R_{load} > 2 \text{ k}\Omega$
3.	Accuracy [% MR]	• $\leq 0,5$ • $\leq 0,25$
4.	LTS <small>(Long term stability)</small>	$\leq 0,5$ % MR
5.	Temperature ranges:	<ul style="list-style-type: none"> • ambient -30 ÷ 80°C • medium -30 ÷ 130°C • storage -30 ÷ 80°C
6.	CTR <small>(compensation temperature range)</small>	0 ÷ 70°C
7.	Temperature linearity within CTR	<ul style="list-style-type: none"> • zero $\leq 0,2\%$ MR / 10°C • range $\leq 0,3\%$ MR / 10°C
8.	Enclosure protection	<ul style="list-style-type: none"> • IP65 • IP68 cable
9.	Pressure connectors	<ul style="list-style-type: none"> • G^{1/4}” • M20x1,5
10.	Electrical connectors	cable
11.	Materials	<ul style="list-style-type: none"> • diaphragm 316L • case 316L • pressure connectors 316L
12.	Mass	90 g



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