

SEN-TRAN

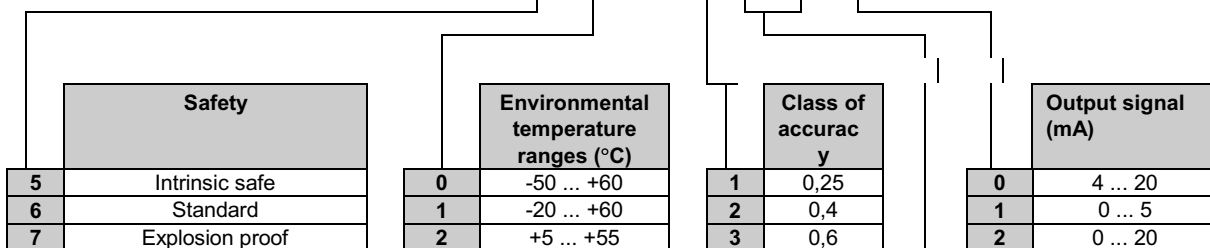
Electric pressure and absolute pressure transmitters

The SEN-TRAN electric pressure transmitter is suitable for the measuring of the pressure of fluids and gases in different adjusting areas and it's also able to transmit the DC signal proportional to the input pressure. This signal is suited for making the indicators, registers, data stores etc operate under the conditions that are fixed in the technical data.

Technical data:

Type number:

3 □ □ - 0 - □ □ □ - □ - X - X X



Notes:

X The following extras can be ordered:

- transmitter with a different measuring range different from series R5

- a.) offset measuring range

- b.) calibrated to a different unit of measure

In case of the above listed transmitters, after the Proper last type number comes a "K"

XX Special designs

- Pneu-wil signal transformer a "P",

- Absolute pressure transmitter an "A"

Comes after the last number

The 188-type transmitters can be ordered just with 4 ... 20 mA output signal

	Measuring range P _{abs} (bar) (absolute change in pressure)		Measuring range P (bar) (relative change in pressure)
03	0 ... 0,04	03	0 ... 0,04
04	0 ... 0,06	04	0 ... 0,06
05	0 ... 0,08	05	0 ... 0,08
06	0 ... 0,16	06	0 ... 0,16
07	0 ... 0,25	07	0 ... 0,25
08	0 ... 0,4	08	0 ... 0,4
09	0 ... 0,6	09	0 ... 0,6
10	0 ... 1	10	0 ... 1
11	0 ... 1,6	11	0 ... 1,6
12	0 ... 2,5	12	0 ... 2,5
13	0 ... 4	13	0 ... 4
14	0 ... 6	14	0 ... 6
15	0 ... 10	15	0 ... 10
16	0 ... 16	16	0 ... 16
17	0 ... 25	17	0 ... 25
18	0 ... 40		
19	0 ... 60		
20	0 ... 100		
21	0 ... 160		
22	0 ... 250		
23	0 ... 400		

Permitted overload related to the upper limit of input pressure : up to 100 bar 25%, above 100bar 15%

Supply voltage :	14 ... 48 V DC
Input and output signal characteristics :	linear
Protection :	IP 65
Vibration resistance :	0 ... 500 Hz, 0,5 g
Isolation resistance :	min. 50 MOhm
Weight :	approx. 2,5 kg

Two types of casing are designed for the transmitters: standard and explosion proof (EXD). The casing and the type of the transmitters depend on the danger of the environment where the instrument is installed.

Pressure-proof casing transmitters (type: 37... series): The cover and the house are made of die-casted aluminium alloy. The transmitter is suitable for creating an Exd measuring circle..

Transmitters with intrinsically safe design (type: 35... series): The cover and the house are made of die-casted aluminium alloy. The transmitter is suitable for creating Ex ia IIC and Ex ib IIC measuring circles. The transmitter has Euronorm classification EEx ia IIC T5; PTB number EX 91.c. 2130

Transmitters designed for nuclear power plants ("S" design, type: 36... S): The transmitters' structure is the same as the 37... series transmitters, with the different that instead of the cast switching box plug connector is installed.

