

PE SERIES

Pressure transducers

The **piezoelectric pressure transducers** Series PE utilize a ceramic sensor with four resistors connected as in a Wheatstone bridge on a synthesized base. The transducer generate a signal that is directly proportional to the applied pressure.

CE

HIGHLIGHTS

Compact design

CODE	MAIN SERIES	MIN PRESSURE (bar)	MAX PRESSURE (bar)	VOLTAGE INPUT	VOLTAGE OUTPUT	CONNECTORS	PLASTIC MATERIAL	MAX FLUID TEMP.	FLUID
5220BB07	G 1/4	0	6	8-30 V	0,5-3,5V	RAST	Polyaryllamide IXEF 1022	90°C	Water, glycol, air, inert gas

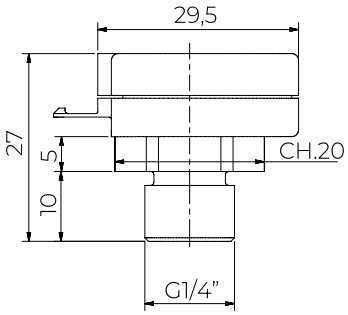
GENERAL FEATURES

RANGE	0 – 4 bar; 0-6 bar
OVERLOAD	8 bar
BURST PRESSURE	15 bar
WORKING FLUID TEMPERATURE	From 0°C to 80 °C
MAX FLUID TEMPERATURE	80°C
AMBIENT TEMPERATURE	from -10°C to 90°C
CONTACT FLUID	H2O, glycol, air, inert gas
ACCURACY	± 10% full scale
DYNAMIC RESPONSE	<1 msec
OUTPUT LOAD RESISTANCE	>10 KOhm
ZERO POINT VAR. WITH TEMPERATURE	+/- 0.05 % FS/deg
SENSITIVITY VAR. WITH TEMPERATURE	+/- 0.05 % FS/deg
BODY MATERIAL	PA6 15%FV, Polyaryllamide
SEAL MATERIAL	EPDM - HNBR - FKM
ELECTRICAL CONNECT	Type AMP duoplug
APPROVALS	EN 61000-4-6; EN 61000-4-3

INPUT	OUTPUT
8 -3 0V dc	0 ,5 -3 ,5 Vudtc
5V dc	5V dc 0 ,5 -2 ,5 Vdc
	0 ,5 -3 ,5 Vdc
Absorption 10 mA	

HYDRAULIC CONNECTION INLET

Model 5220:
1/4" GAS



CODIFICATION

I	II	III	IV	V	VI
52	2	0	A	B	00

I. SERIES
52 - Ceramic PE series electronic transducer

II. PRESSURE INLET CONNECTION
2 - G 1/4 fitting
3 - G 3/8 connection
2 - Standard quick coupling 12629 DN 15 Ixef – 12968 (TURK) PA6 15% GF
6 - Quick coupling Ø11.8 (12885)

III. ELECTRICAL OUTPUT
0 - Connection for AMP connector

IV. SUPPLY VOLTAGE
A - 5 Vdc ±10%
B - 8 ÷ 30 Vdc

V. OUTPUT VOLTAGE
A - 0,5 / 2,5 Vdc at 4 bar
B - 0,5 / 3,5 Vdc at 4 bar

VI. SPECIAL VERSIONS
00 - Standard
07 - Cover code 12967
10- Viton O-ring

POSSIBLE CUSTOMIZATIONS – UPON REQUEST

Rev. 2026-11-05