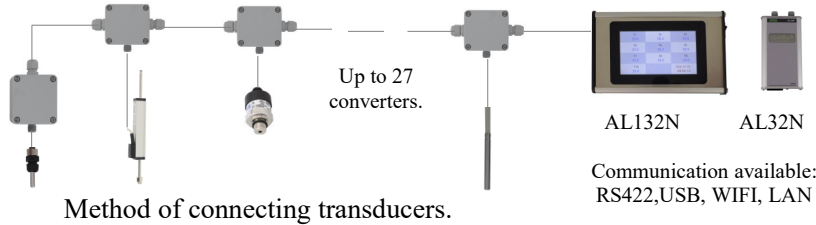


Measuring transducers for AL32 i AL132.

PM08 / PM07

The transmitters type PG08 and PG07 enable the connection of analog sensors to ALx32 systems. Placing the transmitter near the sensor reduces interference in the sensor connection cables. Due to the addressing option, the transmitter enables the connection of up to 8 sensors for PG08 and 27 sensors for PG07.



Method of connecting transducers.

**Technical data:**

Measurement type: static

Tightness: IP67

Dimensions diameter: 64 x 58 x 35mm

**Electrical parameters:**

Supply voltage: 3.3V

Voltage input: differential programmable from 26mV to 2.05V

Input resolution: programmable from 1/4000 to 1/260000

Input resistance: 2MΩ

Input temperature error: 5ppm

Characteristic non-linearity: 10ppm

List of transducers and sensors cooperating with them.

	Attached sensor type:	Type	Comments:
1	Voltage output from 0-2V.	PG08U20	range 0.26V-2.05V
2	Voltage output from 26mV- 200mV.	PG08U02	range 26mV-200mV
3	0-20mA and 4-20mA current output.	PG08I42	rezystor 100R
4	Full bridge sensors.	PG08M04	e.g. forces, strain gauges, pressures
5	Half- and quarter-bridge sensors.	PG08M02	e.g. strain gauges.
6	M12 connector potentiometric sensors	PG08N20	e.g. cable, road, angle.
7	SF12 connector potentiometric sensors	PG08N22	np. linkowe, drogi, kąta.
8	Thermocouple sensors.	PG07C02 <sup>1)</sup>	np. termopara pyranometr.
9	Anemometric sensors	PG08U21	np. przepływu, próżni.
10	Pyranometer.	PG07S01	czujnik promieniowania słonecznego
11	Measurement of the heat flux density	PG07C05	stos termoparowy
12	Resistive temperature sensor RTD	PG08T05 PG07T05	np. PT100,PT500

1) when PG08 means that it is present in the PG07 and PG08 versions when PG07 only in the PG07 version.

They cooperate:



with pressure sensors.



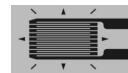
with force sensors.



with displacement sensors.



with tilt sensors.



with strain gauges.



with sensors for measuring the heat flux density



with RTD temperature sensors and thermocouples.

Sensors with built-in transducer:



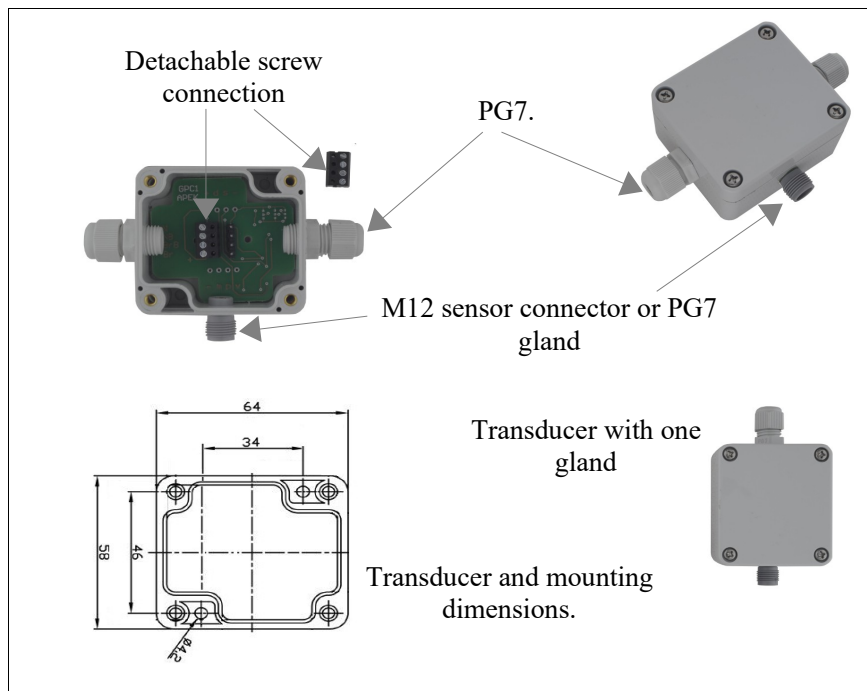
Temperature sensors.



Precise temperature sensor



Wall temperature sensors.



Sensors with built-in transducer cont.:



Humidity sensors.



Wall-mounted humidity sensors.



Weather sensors.

**Digital measuring sensors (with built-in converter).**

1	Sensor description:	Parameters:	Sensor type:
2	Temperature sensor <sup>2)</sup>	-40° to 85°	DF31
3	Wall-mounted temperature sensor <sup>3)</sup>	-40° to 85°	DF21
4	Precise temperature sensor <sup>2)</sup>	-40° to 85°	DF81, DF71
5	Precise temperature sensor <sup>2)</sup> , increased range.	-40°C to 200°C -100°C to 400°C	DF81, DF71 DF81, DF71
6	Temperature humidity sensor.	-40 - 55°/ 0% - 100%	DF42, DF32
7	Wall-mounted humidity and temperature sensor.	-40 - 55°/ 0% - 100%	DF22
8	Weather sensor. Temperature / humidity / solar radiation.	-40 - 65°/ 0% - 100% 310-2800 nm	PM1SOL16HT

2) Up to 27 temperature sensors can be connected, including up to 8 PG08 transmitters.

3) Up to 8 temperature sensors can be connected, including up to 8 PG08 transmitters.

— Document history —

Lp.	Document version:	Changes to the document:	
1.	20/08.en	Oryginal.	