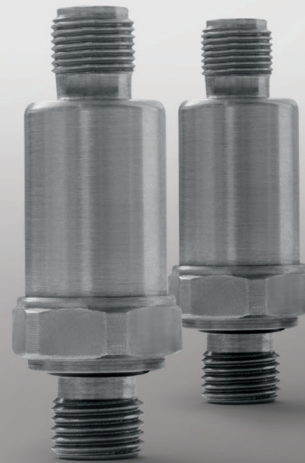


# Pressure transducer TKN series



Pressure transducer TKN series provides measurement to excessive pressure in the range 0–1000 atm. liquid and gasiform naggressive environment in control and regulation systems, used in mechanical engineering, instrument engineering as well as another branch

## Features:

- permanent to corrosive medium (because working parts, made of stainless steel),
- high stability and reliability reading,
- high stability to triple overload pressure,
- modification whith current and digital output signal,
- hermetic steel housing.

## Ordering Code

TKN25–T132–3

Series title

Additional customer options (might be missing)

Upper-range value (Mpa)

Pipe connection

- 1 – M22×1,5 (IEC 22525-77)
- 2 – G 1/4» (DIN 3852-E)
- 3 – K 1/8» (IEC 6111-52, NPT 1/8»)
- 4 – K 1/4» (IEC 6111-52, NPT 1/4»)
- 5 – M10×1
- 6 – M20×1,5 – 6 g

Signal output:

- E – voltage signal
- T – current signal
- P – digital interface

Electrical Connection:

- 0 – without connector
- 1 – AMP Superseal plug 1.5 (4 contacts)
- 2 – 2PM 14BPN4H1V1 plug
- 3 – M12×1 plug (4 contacts)
- 4 – SNC-42-10/10V-1-V plug GEO.364.245 TU
- 5 – AMP Superseal plug 1.5 (2 contacts)
- 6 – GSA plug 3000 (DIN 43650-A, ISO4400)
- 7 – GSA plug 3000 (DIN 43650-C, ISO15217)
- 8 – AMP Superseal plug 1.5 (3 contacts)
- 9 – FQ14-4ZPJ plug (4 contacts)

Interface:

For digital interface:

- 1 – RBus
- 2 – CANopen

For current signal:

- 1 – 4–20 mA
- 2 – 0–20 mA

For voltage signal:

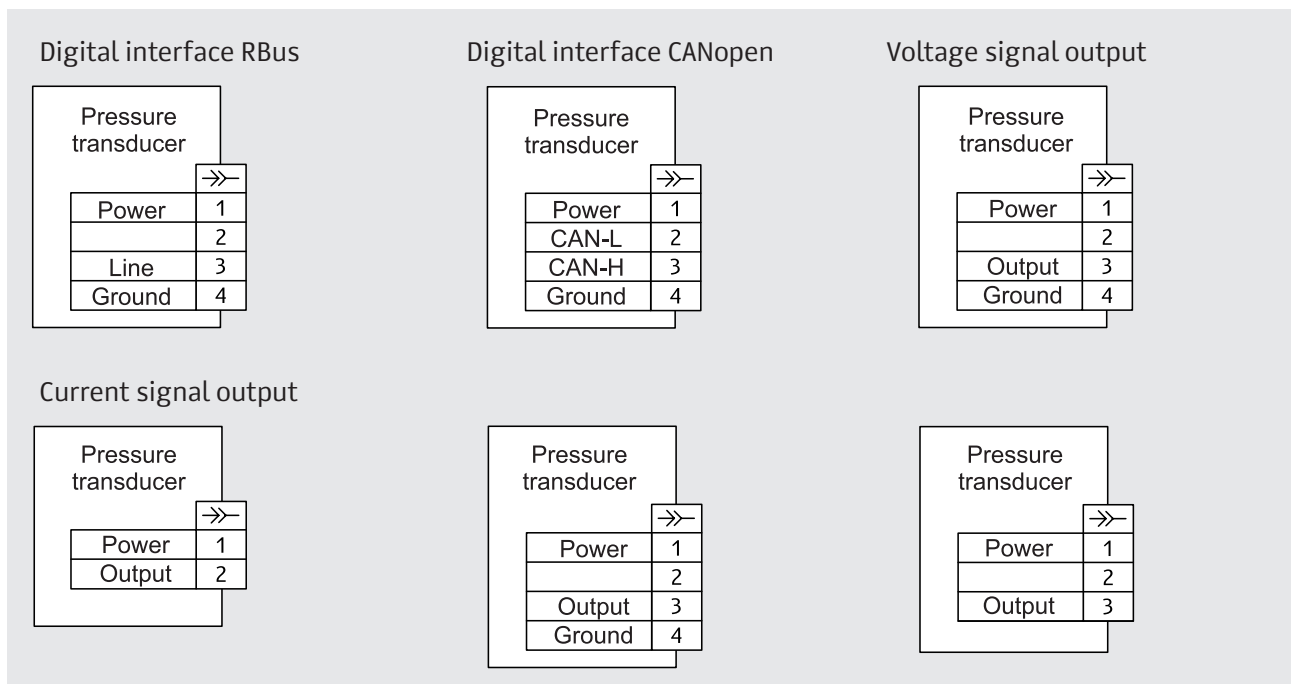
- 1 – 0,5–4,5 V
- 2 – 0–5 V



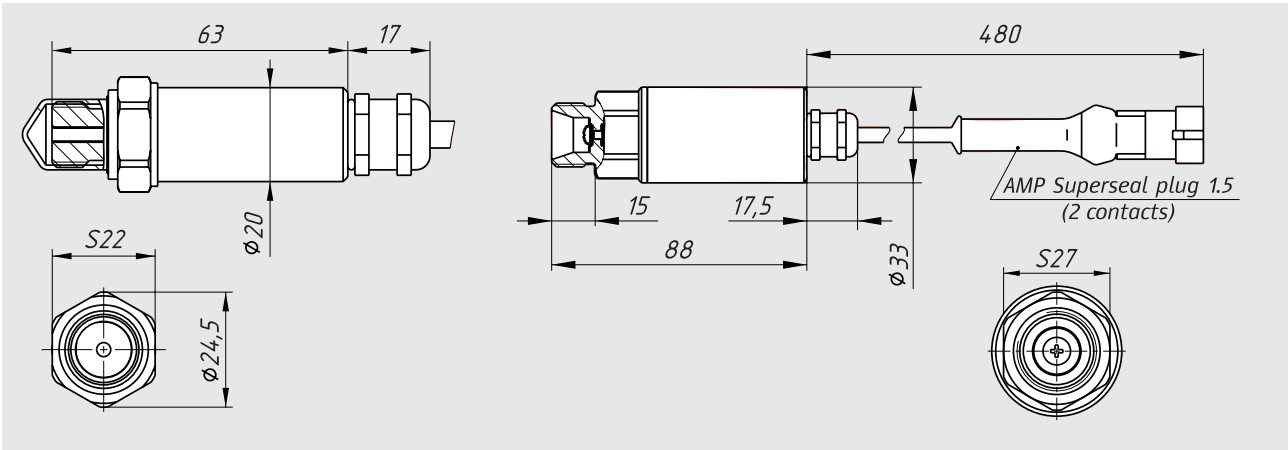
## Technical Data

Параметр		Значение
Measuring range		0-2,5 ... 0-100 Мпа
Main measuring accuracy	TKHxx-E1xx TKHxx-E2xx TKHxx-T1xx TKHxx-T2xx	±1%
	TKHxx-P1xx TKHxx-P2xx	±0,2%
Complementary temperature error at every 10°C	TKHxx-E1xx TKHxx-E2xx TKHxx-T1xx TKHxx-T2xx	±0,15%
	TKHxx-P1xx TKHxx-P2xx	±0,08%
Stability to pressure overload		threefold, any more 150 Мпа
Supply voltage		от 10 до 32 В
Temperature range		
– operation		–40...+55°C
– storage		–50...+65°C
Protection class (to IEC 14254-96)		IP67
Vibration resistance:		
– peak acceleration		<50 m/sec <sup>2</sup> (at 0...250 Hz)
Impact resistance		150 m/sec <sup>2</sup>
Weight		approx. 0,5 kg

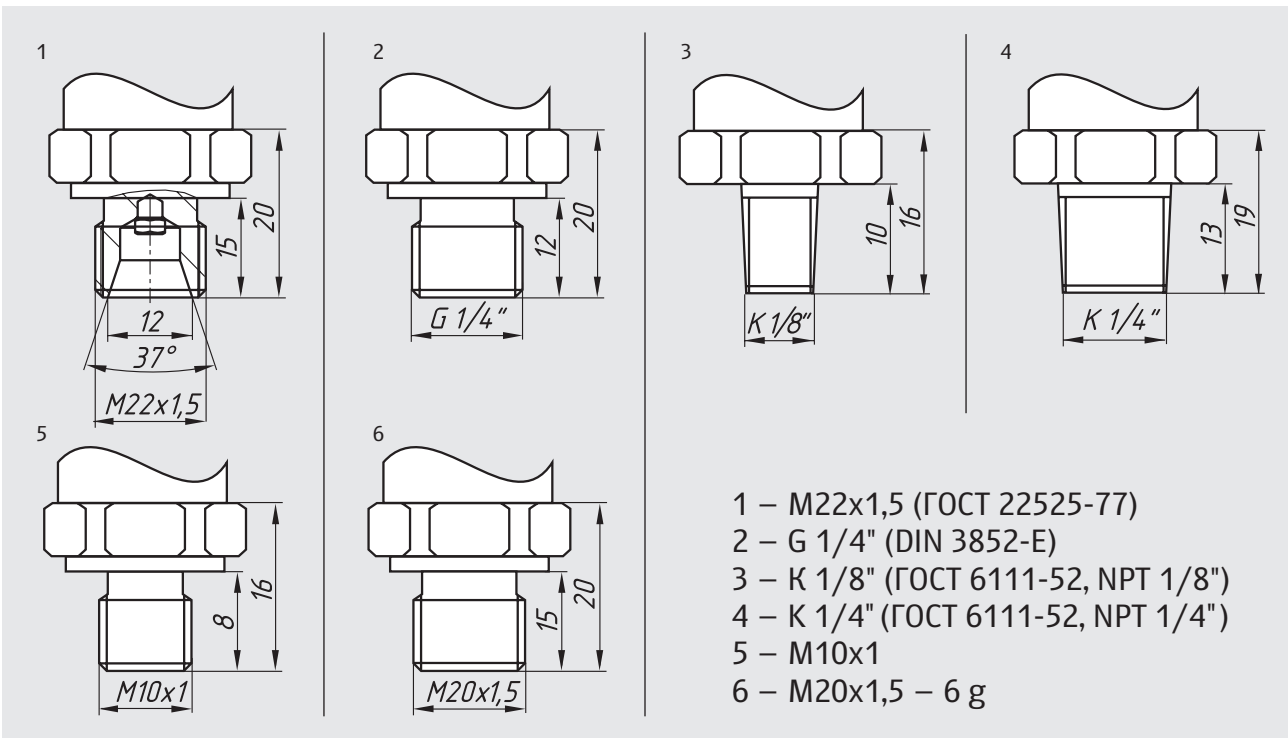
## Connection Scheme



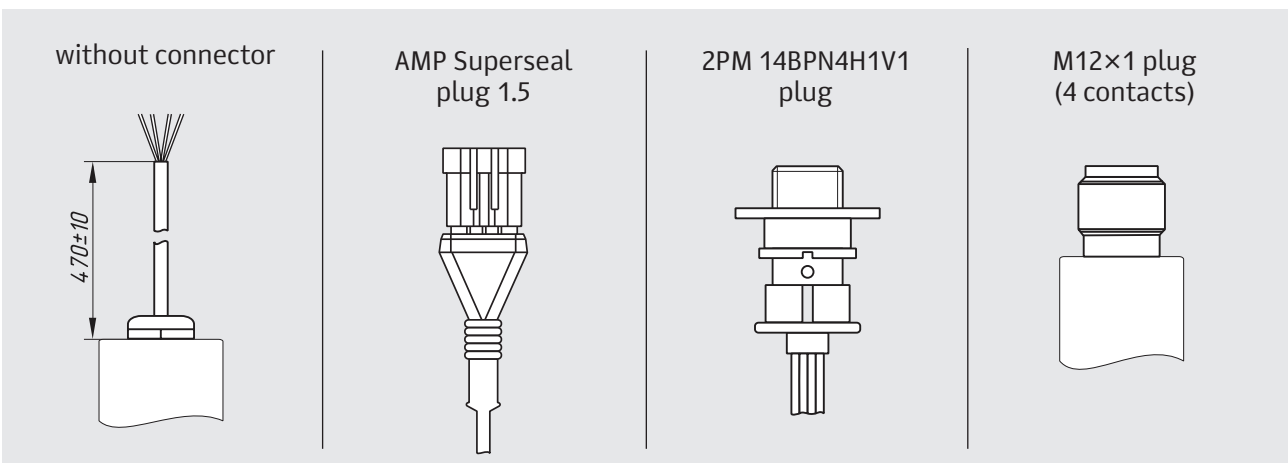
Dimensions [mm]



Variants of implementation of the connection adapter



Variants of electrical connection



Rezonans plc.

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10-b, Mashinostroiteley Street,  
Chelyabinsk, 454119, Russia

## Products:

Electronic Control Systems

Rated Capacity Indicators

Sensors

Joysticks

Instruments clusters and gauges

Voltage Changers

Relay