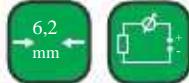
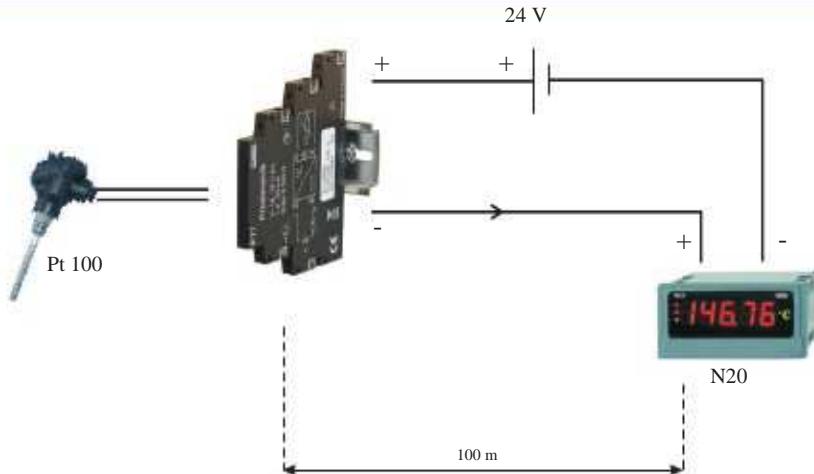


Features:

- Thin-walled casing - 6.2 mm.
- Standardized d.c. current output signal 4-20 mA.
- Supply from a current loop.

**Example of application**

Remote temperature measurement.

Outputs:4...20
mA**Inputs**

Input type	Range	Overload	Error
Voltage	0 .. 10 V	short duration (3s): 30 V (sensor and voltage inputs)	Basic error: +/- 0.5 % of range
	0 .. 60 mV		
Thermocouple J	-100 .. 1200°C	sustained: 1% (thermocouple, resistance thermometers), 20% (voltage and resistance)	Additional error (from ambient temperature changes): +/- (0.25 % of range/ 10 K)
Thermocouple K	-100 .. 1370°C		
Thermocouple N	-100 .. 1300°C		
Thermocouple E	-100 .. 900°C		
Resistance thermometer Pt 100	-50 .. 100 °C -50 .. 400°C		
Resistance	0 .. 150 W		
	0 .. 250 W		

Outputs

Output type	Admissible load resistance	Output resolution
4 .. 20 mA	Rload < 500 W	0.005 mA

External features

Overall dimensions	76.9 x 99.1 x 6.2 mm	
Weight	80 g	
Protection grade	ensured by casing: IP50 on a 35 mm DIN rail	from terminal side: IP20
Fixing		acc. to EN 60715

Rated operating conditions

Supply voltage	19 .. 30 V d.c.	power input < 0.7 VA
Temperature	ambient: -20..23..55°C	storage: -25..85°C
Relative humidity	< 95%	inadmissible condensation
Operating position	any	
Preheating time	15 min	

Safety and Compatibility Requirements

Electromagnetic compatibility	noise immunity	acc. to EN 61000-6-2
	noise emissions	acc. to EN 61000-6-4
Isolation between circuits	basic	
Pollution degree	2	
Installation category	III	
Maximal phase-to-earth operating voltage	50 V	acc. to EN 61010-1

See also:



Transducer of temperature and standard signals - P30U.



Meter of current, d.c. voltage and temperature - N20.



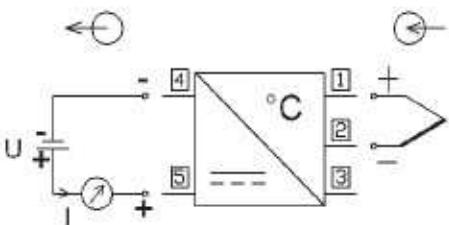
KD7 recorder.



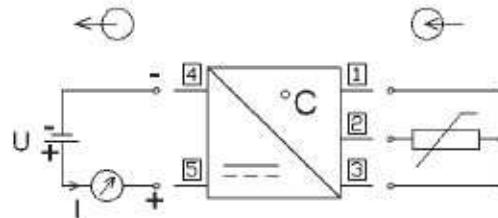
Programmable transducer of temperature and standard signals - P20.



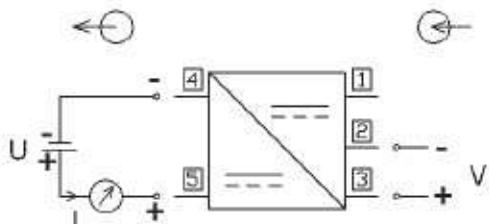
Connection diagram



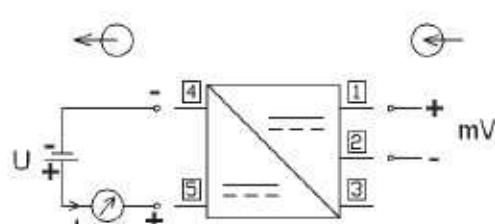
Thermocouple



Resistance thermometer in a 3-wire system



Voltage 0 .. 10 mV



Voltage 0 .. 60 mV

Fig.1. Connection of external signals.

Ordering

	P17 XX	XX	X
Input type and range:			
voltage(0 .. 10) V	00		
thermocouple J (Fe-CuNi)(-100 .. 1200)°C	01		
thermocouple K (NiCr-NiAl)(-100 .. 1370)°C	02		
thermocouple N (NiCrSi-NiSi)(-100 .. 1300)°C	03		
thermocouple E (NiCr-CuNi)(-100 .. 900)°C	04		
resistance thermometer Pt100(-50 .. 100)°C	05		
resistance thermometer Pt100(-50 .. 400)°C	06		
voltage(0 .. 60) mV	09		
Version:			
standard			
custom-made*	00		
Acceptance tests:		XX	
without extra quality inspection requirements			
with an extra quality inspection certificate			
acc. to customer's agreements*	8		
	7		
	X		

*- after agreement with the manufacturer

Order example:

The code: P17- 05-00-8 means:

P17 - transducer of P17 type supplied from a current loop
 05 - input signal: resistance thermometer Pt100, range: -50 .. 100°C
 00 - standard version
 8 - without extra quality inspection requirements.

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