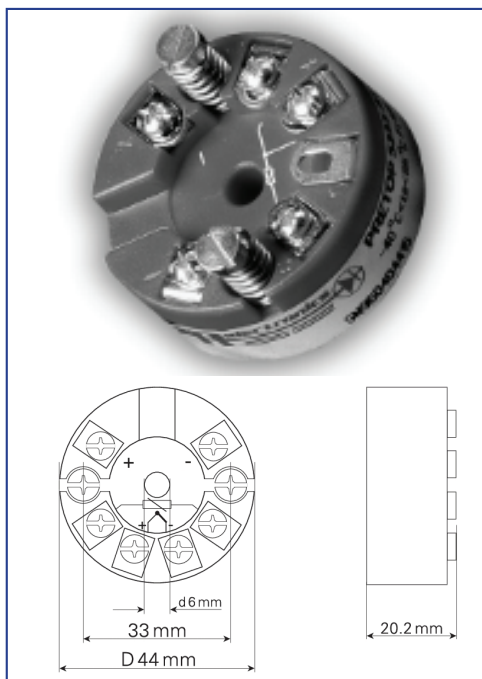


PRetop 5333

Temperature Transmitter Type PRetop 5333

Temperature transmitter type PRetop 5333 is programmable, 2-wire transmitter for assembling in sensor connection head of resistor Pt100..Pt1000. The transmitter is configurable using PC software. Execution is basic and intrinsic safe with certificate KEMA 03 ATEX 1535X and GOST.



Type	Execution
5333 A	Basic
5333 B	Intrinsic safe Ex II 1G; EExia IIC T1...T6

Technical specification

INPUT

Cooperative sensor	Type	Acc. to standard	Current	Resistor change range	Minimal range
Resistor Pt100...Pt1000	line 3-wire	EN 60751	$> 0,2, < 0,4 \text{ mA}$	$-200^{\circ}\text{C}..+850^{\circ}\text{C}$	25°C

OUTPUT

Current	Resistance (Drawing 1)	Sensor interval (configurable)
4 – 20 mA	$R_{ob} = (U_z - 8) / 0,023 \text{ [A]}$	23 mA or 3,5 mA

Accuracy	Ambient temp.	Influence of ambient temp.	Power supply U_z	Influence of resistance changes
$\pm 0,1 \%$ of range	$-40^{\circ}\text{C}..+85^{\circ}\text{C}$	$\pm 0,01\%$ of range / $^{\circ}\text{C}$	8 – 35 VDC 8 – 28 VDC (Exi)	$\pm 0,01 \%$ / 100 Ω

Galvanic separation
not present

Mounting
in connection head

Ordering Information

PRetop5333

X

Y

X Execution

A

Basic

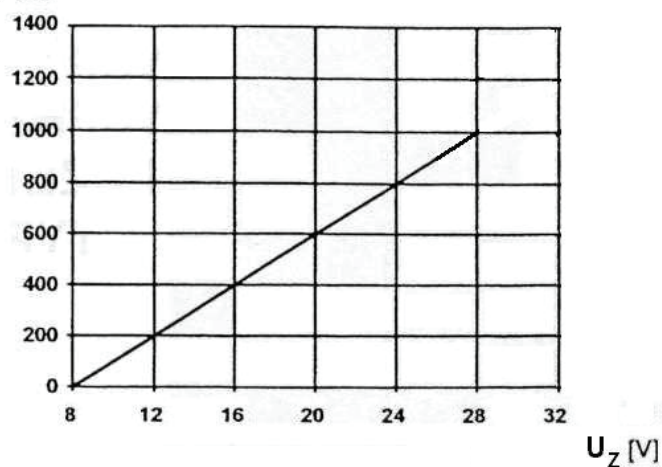
B

Intrinsic safe

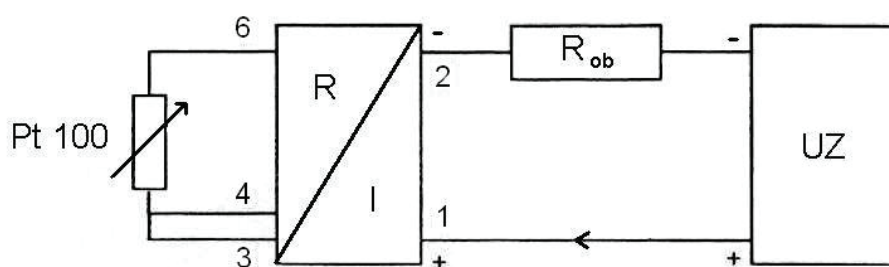
Y Temperature range ($T_1 \div T_2$)

specify in °C

R_{ob} [Ω]



Drawing 1. Resistance overcharge



Drawing 2. Configuration

Ordering Example:

PRetop5333-A-0÷100°C

stands for: Temperature transmitter type PRetop 5333 basic execution, range 0÷100°C.