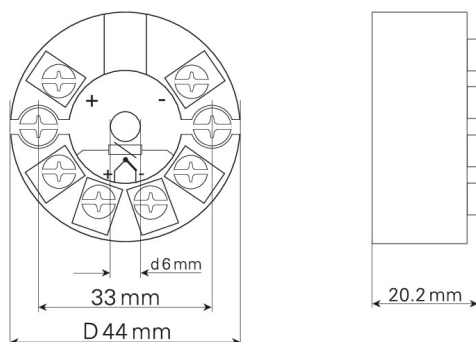




TEMPERATURE TRANSMITTER Type PRetop 5333

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 II 1G; EExia IIC T1..T6

TRANSMITTER SPECIFICATION

Input

Resistor	Characteristic	Current	Resistor change range	Minimal range
Pt100..Pt1000 line 3-wire	acc. PN-EN 60751	> 0,2, < 0,4 mA	-200°C..+850°C	25°C

Output

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

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

Galvanic separation
not present

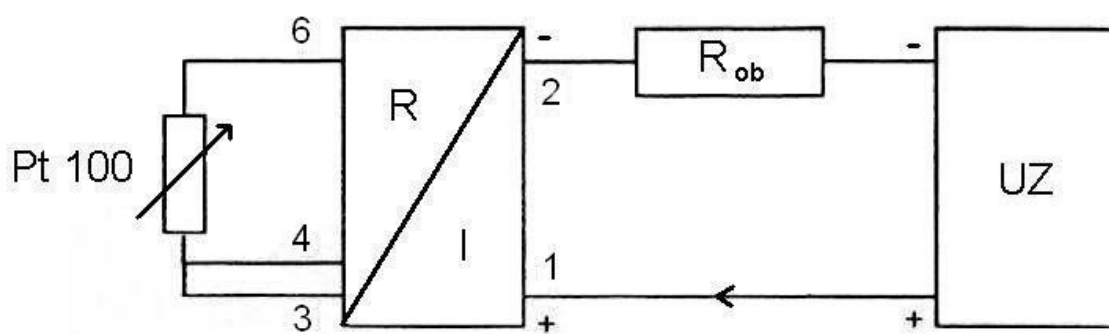
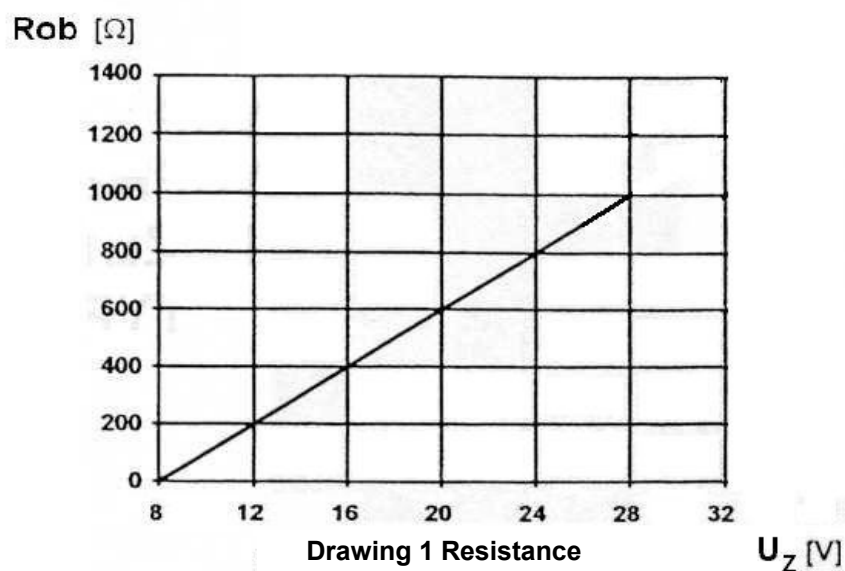
Mounting
in connection head

Ordering Information

PRetop 5333

X - Y

X. Execution		X
	Basic	A
	Intrinsic safe	B
Y. Temperature range		Y
	$T_1 \div T_2$	specify in °C



Drawing 2 Configuration

Ordering Example

PRetop 5333 A-0÷100°C

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