

SEM 206TC

Temperature Transmitter Type SEM 206TC for thermocouples



Temperature transmitter type SEM 206TC is a 2-wire, digital transmitter, for assembling in connection head of the thermocouple. A change of range and calibration of transmitter is set up by Status software which adjust zero and span temperature in accordance to output signal 4 and 20mA.

Shielded LED indicator shows correct end of span programming and indicates damage of RTD sensor.

Technical specification

INPUT

Cooperative sensor	Type	Acc. to standard	Measuring range	Minimum range
Thermocouple	K	EN 60584	-200°C..+1370°C	min. 10°C
	J		-200°C..+1200°C	
	T		-200°C..+400°C	
	R		0°C..+1760°C	
	S		0°C..+1760°C	
	L		0°C..+1200°C	
	N		0°C..+1300°C	

OUTPUT

Current	Resistance (Drawing 1)	Sensor interval
4 – 20 mA	$Rob = (U_z - 8) / 0,02 [A]$	>20,5 mA

Cooperative sensor	Span Accuracy	Power supply	Ambient temp.	Influence of ambient temp.
Thermocouple K, J, T, R, S, B, L, N	0,04% span or 0,5°C	8-300 VDC	-20°C..+80 °C	zero ±4 mV / °C span 0,01% / °C

Galvanic separation	Mounting
not present	in connection head

Ordering Information

SEM206

A

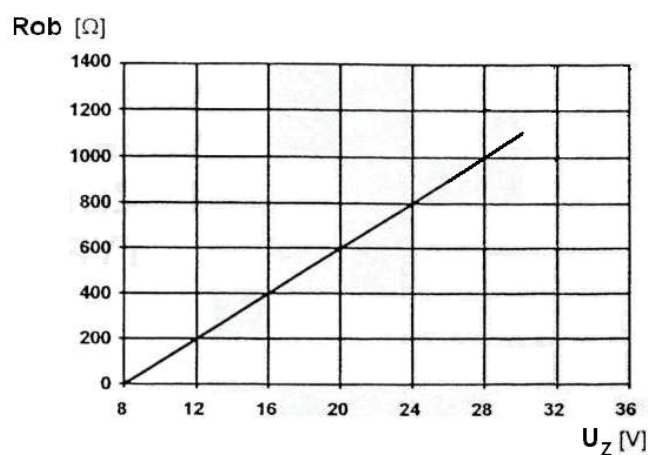
B

A Sensor type

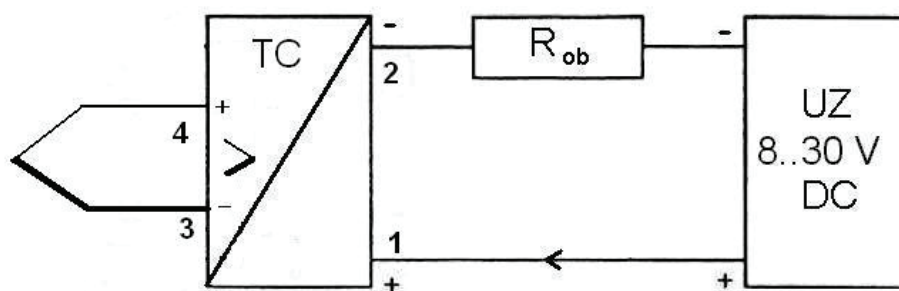
1/TC-K	Thermocouple type K
1/TC-J	Thermocouple type J
1/TC-T	Thermocouple type T
2/TC-R	Thermocouple type R
2/TC-S	Thermocouple type S
3/TC-L	Thermocouple type L
4/TC/N	Thermocouple type N

B Temperature range ($T_1 \div T_2$)

specify in °C



Drawing 1. Resistance overcharge



Drawing 2. Configuration

Ordering Example:

SEM206-1/TC-K-0+600°C

stands for: Transmitter type SEM 206, for thermocouple type K, measuring range 0-600 °C.