THERMOSYSTEMS s.r.l.

TEMPERATURE SENSORS

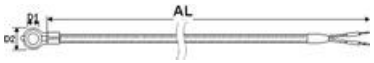
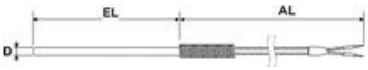
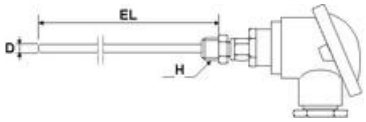
IKEP1BE2000
PT100 sensor, 5x20mm, 2m waterproof cable, max. 105 °C



- PT100 sensors
- J- and K-type sensors
- PTC thermistors

PRODUCT DESCRIPTION

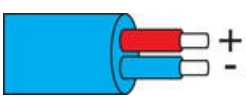
Pt100 sensor's resistance changes with temperature: 100 Ω in 0°C and 138,5 Ω in 100°C. EN 60751 class B tolerances are the following: 0°C ±0,3°C, 100°C ±0,8°C and 200°C ±1,3°C. Sensor is made of stainless steel, cable shielded (TTS) with maximum temperature of 250°C.

TP10, TP10/3	TP5, TP150-2
	
TP200	**IKEP1BE2000**
	

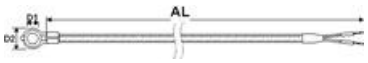
J-type (Fe-Ko) thermo couples

Termoparianturin toiminta perustuu kahta eri metallia olevien termoliitosten mittausliitoksen ja vertailuliitoksen lämpötilaeron aiheuttaman lämpö-smv (mV) muutokseen. J-tyypin anturin lämpö-smv on suuri ja alle 500°C lämpötiloissa käyttöikä lähes rajoittamaton. IEC 60584-2 class 1 normin mukainen maksimipoikkeama J-tyypin anturille alueella -40°C...+375°C on ±1,5°C. Kaapelin ja johtimien värit IEC/CEI mukaan.

Color coding on J-type thermo elements

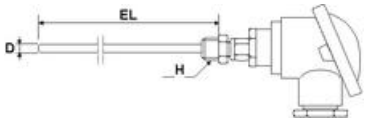
Conductors	BS (UK)	ANSI (USA)	DIN	IEC/CEI
Iron/ Constantan				

TJ10	TJ3-IJ





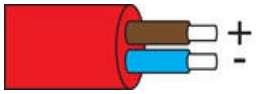
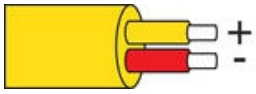
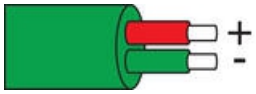
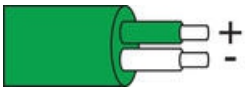
TJ200



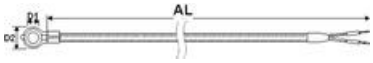
K-type (NiCr/Ni) thermo couples

K-type thermo elements is perfectly suitable for high temperatures. Maximum offset ±1,5°C in temperatures in temperature range of -40°C...+375°C according to IEC 60584-2

Color codings on K-type thermo elements

Conductors	BS (UK)	ANSI (USA)	DIN	IEC/CEI
Chromel/ Alumel				

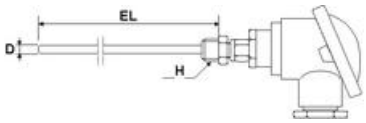
TK10



TK3-IJ and TK15X100-IJ-S/3



TK200



PTC thermistor

Thermistors feature a large resistance temperature coefficient and high resistance along with narrow temperature range. According to KTY 81-121 (990 Ω/25°C) PTC thermistor holds the following standards: +20°C/951 Ω (±1,4°C), +80°C/1479 Ω (±2,9°C), +150°C/2189 Ω (±4,9°C). Suitable for use with TS400-series thermostats.



SPECIFICATIONS

Number of conductors	2
Max temperature of probe	105 °C
Material Cable	Thermoplastic

Cable length	2 m
Material Probe	Thermoplastic
IP Class	IP68
Measuring Range	- 50 °C ...+ 105 °C