

MEASURING INSERTS FOR TEMPERATURE SENSORS



SWP2

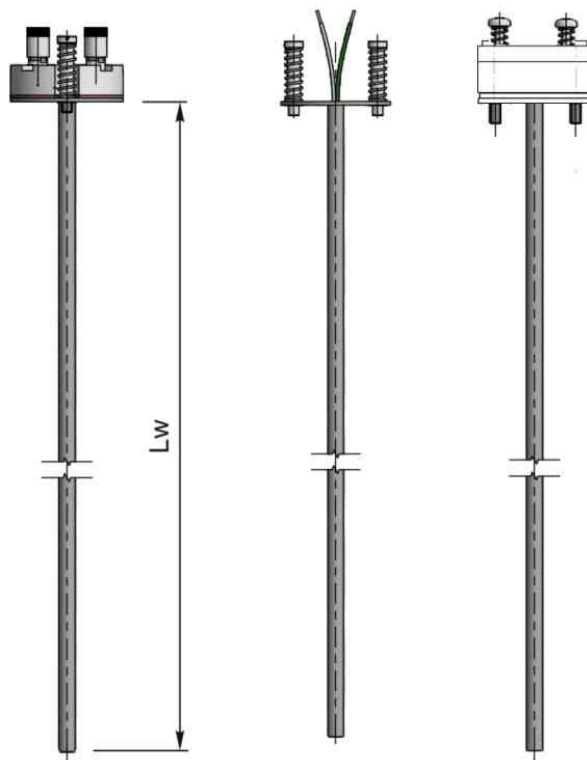
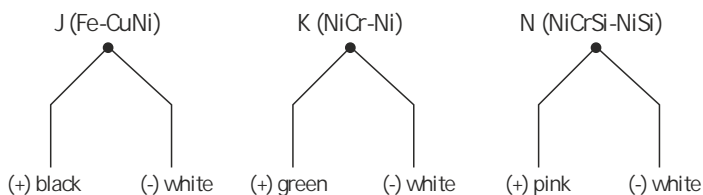
- measuring insert for thermocouples
- MgO isolator
- measuring range $-40 \div 1200^{\circ}\text{C}$ depending on thermocouple
- metal sheath made of Inconel 600 alloy
- resistance to corrosion and vibrations
- short reaction time to temperature changes
- possibility of mounting a 4...20mA or 0...10V temperature transmitter

The measuring insert SWP2 for thermocouple thermometers is made of metal sheathed cable with internal wires insulated from each other and from the outer sheath with magnesium oxide (MgO) powder. This provides the sensor with high vibration resistance, flexibility as well as resistance to temperature and electrical insulation.

TECHNICAL DATA

Sensing element	J, K, N thermocouple (single, double)
Measuring range	$-40 \div 1200^{\circ}\text{C}$ (depending on thermocouple)
Class	1 or 2
Material	Inconel 600

ELECTRICAL CONNECTION



THERMOCOUPLES TOLERANCE ACC. TO PN-EN 60584

Thermocouple	I Class		II Class	
	Temperature range	Tolerance	Temperature range	Tolerance
J (Fe-CuNi)	$-40 \div 750^{\circ}\text{C}$	$\pm 1,5^{\circ}\text{C}$	$-40 \div 750^{\circ}\text{C}$	$\pm 2,5^{\circ}\text{C}$
K (NiCr-Ni)	$-40 \div 1000^{\circ}\text{C}$	$\pm 0,0040^{\circ}\text{C} \times t $	$-40 \div 1200^{\circ}\text{C}$	$\pm 0,0075^{\circ}\text{C} \times t $
N (NiCrSi-NiSi)	$-40 \div 1000^{\circ}\text{C}$		$-40 \div 1200^{\circ}\text{C}$	

ORDERING

