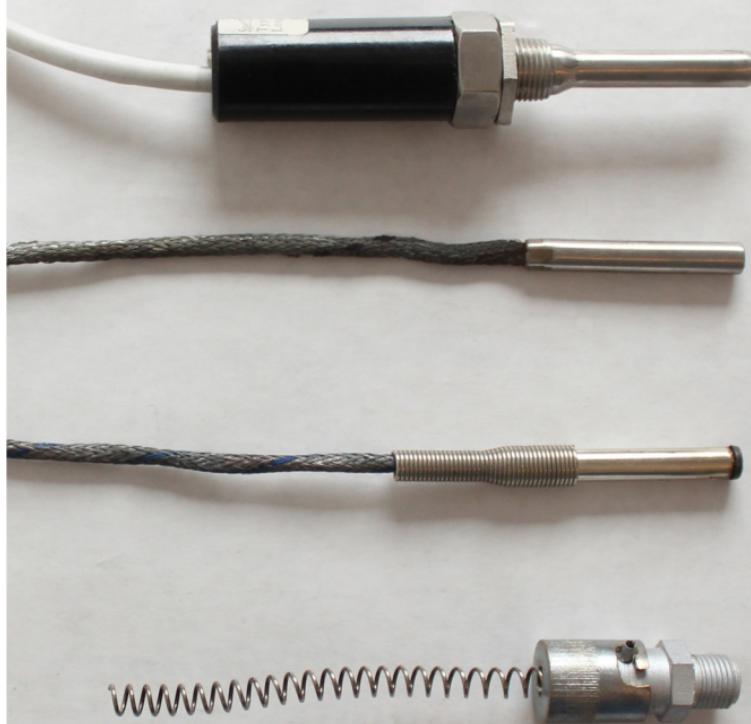


TEMPERATURNI SENZORI TEMPERATURE SENSORS





TEMPERATURNI SENZORI:

Općenito:

Temperaturni senzori služe za mjerjenje temperature u različitim industrijskim uređajima. Razlikujemo više tipova temperaturnih senzora kao što su: termoparovi, termootporni elementi, pirometri itd.

Termoparovi su najzastupljeniji tipovi senzora zbog svoje robusnosti, pouzdanosti i preciznosti s obzirom na kapilarne senzore. Rade na principu Seedbeckova efekta. Ugrađeni su u kućište od visokokvalitetnog nerđajućeg (INOX) čelika. Mogu biti izolirani i neizolirani. Termootporni elementi čine zanimljiv izbor jer su pouzdani i precizniji od termoparova. Dolaze u nekoliko tipova: NTC elementi (negativni temperaturni koeficijent), PTC elementi (pozitivni temperaturni koeficijent), PT100,500,1000 elementi. Ugrađeni su u kućište od visokokvalitetnog nerđajućeg (INOX) čelika.

Tehnički podaci:

Tipovi:

- termoparovi: J,K,T,E
- termootporni: NTC, PTC, PT100, PT500, PT1000

Promjer: od $\Phi 4$ mm do $\Phi 20$ mm

Duljina priključnog kabla: od 100 mm do 5000 mm

Primjena:

Obrada plastičnih masa, industrija kože i obuće, sustavi automatizacije, prehrambena industrija, tekstilna industrija, automobilска industrija, petrohemidska industrija, kemijska industrija, znanstveni uređaji, industrija obrade metala itd.

TEMPERATURE SENSORS:

General:

Temperature sensors are used for measurement temperature in variety of industrial equipment. We distinguish many types of temperature sensors such as: thermocouples, thermoresentant elements, pyrometers, etc. Thermocouples are the most common type of sensors because of its robustness, reliability and precision according to alcohol capillary sensors. The sensors are based on Seedbeck effect. The sensors are built-in case of high quality stainless steel (INOX). They can be insulated or non-insulated. Thermoresentant elements are interesting choice because of their reliability and more precision than thermocouples. They come in several types: NTC (negative temperature coefficient), PTC (positive temperature coefficient), PT100, PT500, PT1000 elements. They are built-in case of high quality stainless steel (INOX).

Technical data:

Types:

- thermocouples: J,K,T,E
- thermoresentant elements: PTC, NTC, PT100, PT500, PT1000

Diameter: from $\Phi 4$ mm to $\Phi 20$ mm

Length of connection cable: from 100 mm to 5000 mm

Applications:

The sensors are used in plastic processing machinery, automation systems, food industry, textile industry, automobile industry, petrochemical and chemical industry, scientific equipment, metal processing industry, etc.



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