



temperature



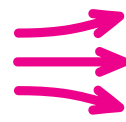
humidity



CO₂



level



flow



position

Product overview



HEAD TEMPERATURE SENSORS

Technical parameters

- Type of sensing element:
 - Resistance – Pt 100/3850, Pt 500/3850, Pt 1000/3850, Ni 1000/5000, Ni 1000/6180, Ni 10000/5000, Ni 10000/6180, Ni 2226 = T1, Ni 891, NTC, PTC
 - Thermocouple – TCK, TCJ, TCT; Others – KTY, SMT 160, DALLAS, TSic etc.
- Maximum measuring range: -200 °C to 600 °C (custom manufactured sensors above the stated parameters)
- Ingress protection: up to IP 68 (according the sensor type)
- Output signal: resistance, current, voltage and digital
- Stem length: standardly 70 to 240 mm, custom manufactured from 40 mm to ... "according to customer's requirement"
- Stem material: stainless steel DIN 1.4301, DIN 1.4571, DIN 1.4404 and others "according to customer's requirement"
- Accessories: thermowells, welded-on pieces, reductions, brackets, flanges, clamps, connectors

↓ CONTACT (series S 140, S 150, S 190)



↓ INTERIOR USE (series S 100)



↓ OUTDOOR USE (series S 110, K 110)



↓ IMMERSION (series S 120, K 120, S 160, K 160, S 180, S MINI)



↓ HIGH TEMPERATURES (up to 600 °C)



↓ WITH CONNECTOR (TR 021, TR 021A, TR 021F, TR 02)



↓ WITH DISPLAY (series NSD)



TEMPERATURE PROBES

Technical parameters

- Design: contact, stick in, ambient temperature probe ■ Maximum measuring range: -30 °C to 300 °C
- Type of sensing element: Resistance: Pt 100/3850, Pt 500/3850, Pt 1000/3850, Ni 1000/5000, Ni 1000/6180, Ni 10000/5000, Ni 10000/6180, Ni 2226 = T1, Ni 891; Thermocouple: TCK, TCJ, TCT
- Ingress protection: up to IP 68 (according to probe type) ■ Case material: stainless steel DIN 1.4301
- Case diameter: from 3 mm... "according to customer's requirement"
- Handle material: silicone, teflon, polypropylene, LCP, PEEK ■ Cables: silicone, teflon



CABLE TEMPERATURE SENSORS

Technical parameters

■ Type of sensing element:

Resistance - Pt 100/3850, Pt 500/3850, Pt 1000/3850, Ni 1000/5000, Ni 1000/6180, Ni 10000/5000, Ni 10000/6180, Ni 2226 = T1, Ni 891

Thermocouple - TCK, TCJ, TCT; Others - KTY, SMT 160, DALLAS, TSic etc.

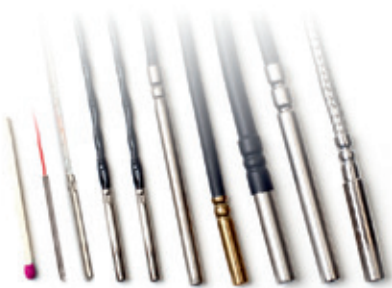
■ Maximum measuring range: -200 °C to 450 °C (custom manufactured sensors above the stated parameters) ■ Connection: 2wire, 3wire, 4wire

■ Ingress protection: up to IP 68 (according the sensor type) ■ Case diameter: from 1,5 mm ..."according to customer's requirement"

■ Threads: standardly G 1/2", G 1/4", M 10 x 1, M 10 x 1,5 and others based on application ■ Cables: PVC, silicone, Teflon, fibreglass insulation and others

■ Case material: stainless steel DIN 1.4301, DIN 1.4571, DIN 1.4404, brass, dural and etc. ..."according to customer's requirement"

↓ SMOOTH CASE



↓ THREAD



↓ CONTACT



↓ BAYONETS



↓ PLASTIC CASE



↓ CRYOGENIC TEMPERATURE



↓ RIGHT-ANGLE



↓ ELECTROMOTOR WINDING



MINERAL INSULATED RESISTANCE TEMPERATURE SENSORS – MGO

Technical parameters ■ Temperature range up to 600 °C ■ Case diameter from 1.5 mm ■ Type of sensing element: Pt 100, Pt 500 or Pt 1000

↓ MINERAL INSULATED



↓ WITH CONNECTOR



↓ WITH CONNECTION HEAD



THERMOCOUPLE TEMPERATURE SENSORS

Technical parameters ■ Temperature range up to 1 200 °C ■ Case diameter from 1 mm ■ Types: TCK, TCJ, TCT, TCS etc.

↓ MINERAL INSULATED ↓ WITH BAYONET ↓ WITH CONNECTOR ↓ WITH CONNECTION HEAD



TEMPERATURE SWITCHES

Technical parameters

- Design: on a DIN bar, on a console, for interiors and exteriors, for ducts, with an external probe, with or without a display, with an adjustable temperature/with a fixed temperature
- Input: Pt 100/3850, Pt 1000/3850, Ni 1000/6180 (according to the sensor type) ■ Output: relay
- Maximum measuring range: -50 °C to 300 °C ■ Hysteresis: adjustable
- Power supply: 12/24 V or 230 V/50 Hz (according to the sensor type)



CONVERTER TEMPERATURE – CURRENT, TEMPERATURE – VOLTAGE

Technical parameters

- Output: 4 to 20 mA, 0 to 10 V ■ Power supply: 11 to 30 V_{DC} (according type)
- Standard measuring range: -30 °C to 60 °C, 0 °C to 35 °C, 0 °C to 100 °C, 0 °C to 150 °C, 0 °C to 200 °C, 0 °C to 400 °C; possibility of custom setting of the measuring range
- Design: on a DIN bar, wall-mounted version



CUSTOM MADE

Complete service includes

- Thorough analysis of the application ■ Production and delivery of samples
- Technical support and consulting design of sensor which you need, personal approach
- Price quotation is calculated on the base of required quantity
- Production of sensors including control of every sensor, for every piece
- Delivery date between 7 to 21 days ■ Express production and delivery within possibilities of technological process



ACCESSORIES

- Thermowells, welded-on pieces, reducers, movable fittings, holders, connectors, bayonet adapters, thermal conductive paste...



TEMPERATURE AND RELATIVE HUMIDITY SENSORS

Technical parameters

- Design: for interiors and exteriors, air-conditioning ducts, with an external probe
- Output: two galvanic separated signals 4 to 20 mA
- Measuring range of relative humidity: 0 to 100 % RV
- Maximum measuring temperature range: -30 °C to 125 °C according to the sensor type
- "S" head design is in compliance with the temperature sensor, designed without mobile parts, high sensitivity



TEMPERATURE, RELATIVE HUMIDITY AND CO2 SENSORS

Technical parameters

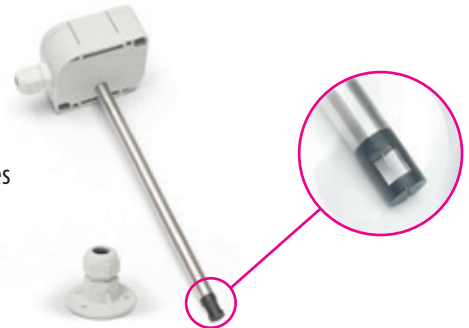
- RS 485 output (MODBUS)
- CAN protocol output (CANopen)
- Supply voltage U: 15 to 30 V_{DC}



FLOW SENSORS AND SWITCHES

Technical parameters

- Design: for air-conditioning ducts
- Output: voltage 0 to 10 V for sensors, 230 V / 8 A relay for switches
- Recommended measuring range: 2 to 5 m/s, 2 to 10 m/s, 2 to 20 m/s
- "S" head design is in compliance with the temperature sensor, designed without mobile parts, high sensitivity



FLOOD DETECTORS

Technical parameters

- Design: wall-mounted version or for horizontal surface, with external probe
- Output: the relay output or the output terminal of an open collector type
- „S” head design



INDUCTIVE SWITCHES AND OPTICAL SENSORS

↓ INDUCTIVE PROXIMITY SWITCHES

Application:

- Rotation control
- Linear motion
- Press work presence
- Revolutions
- Products on a conveyor
- Turbine revolutions
- Aperture
- Chain sag
- Switch position
- Material thickness
- Pressure
- Door position
- Object presence
- Rotary motion,
- Liquid level etc.



↓ OPTICAL LEVEL SENSORS

Suitable for:

- Food Processing Industry (dairies, production of alcoholic and non-alcoholic beverages, breweries)
- Chemical and Petrochemical industry
- Medical and Pharmaceutical industry



extend your senses

Stick-in Temperature Probes

6
measuring
points

- Up to 300 °C ● Up to 6 measuring points
- PEEK, Stainless steel, PTFE, PFA ● Ø from 2 mm
- **Compliant with EU requirements for food contact.**

flat

round

sharp

bevelled



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