

temperature measurement

resistance thermometer WTR 280

features

- resistance thermometer as cable sensor
- diameter of sensor, length of sensor and length of cable selectable
- plain protective tube without process connection (adaptable e.g. with clamp screw fitting)
- screw-in thread with many possibilities
- specials on customer's request

technical specifications

- protection fitting made of stainless steel 1.4404/316L (V4A)
- connection cable made of PVC, PUR, silicone, Teflon or GGVA
- temperature range: -50 °C up to +400 °C (depending on the cable material, see type code) (extended ranges on request)

application areas

- all simple applications of industry
- low cost measuring point



WTR280...



temperature measurement

resistance thermometer WTR 280

order-code WTR 280...

order example: WTR280-6-B-02S-2A3

diameter of sensor and/or process connection

- 4 diameter of sensor 4 mm
- 5 diameter of sensor 5 mm
- 6 diameter of sensor 6 mm
- 8 diameter of sensor 8 mm (length only up to 200mm possible)
- 9 diameter of sensor 9 mm
- M8 screw-in thread M8 (diameter of sensor 6mm)
- M10 screw-in thread M10 (diameter of sensor 6mm)
- M14 screw-in thread M14x1,5 (diameter of sensor 6mm)
- RS-M5 tubular cable lug, 5mm hole (Attention: no details length of sensor necessary)
- RS-M8 tubular cable lug, 8 mm hole (Attention: no details length of sensor necessary)
- RS-M12 tubular cable lug, 12 mm hole (Attention: no details length of sensor necessary)

length of sensor

- X length of sensor 20 mm
- Y length of sensor 30 mm
- A length of sensor 50 mm
- B length of sensor 100 mm
- C length of sensor 150 mm
- D length of sensor 200 mm
- K length of sensor on customer's request (please specify length)

length of cable and material (observe temperature range)

- 00PVC specify length of cable (e. g. 02 = 2 m) / m, cable material PVC (temp. range standard up to +85°C)
- 00PUR specify length of cable (e. g. 02 = 2 m) / m, cable material PUR (temp. range up to +105°C)
- 00S specify length of cable (e. g. 02 = 2 m) / m, cable material silicone (temp. range up to +180°C)
- 00T specify length of cable (e. g. 02 = 2 m) / m, cable material Teflon (temp. range up to +260°C)
- 00GGVA specify length of cable (e. g. 02 = 2 m) / m, cable material glass silk with VA-coat (temp. range up to +400°C)

type of sensor and tolerance

- 1A2 1xPT100 2-wire class A
- 1A3 1xPT100 3-wire class A
- 1A4 1xPT100 4-wire class A
- 2A2 2xPT100 2-wire class A
- 2A3 2xPT100 3-wire class A
- 1(1/3DIN)3 1xPT100 3-wire 1/3 DIN tolerance
- 2(1/3DIN)3 2xPT100 3-wire 1/3 DIN tolerance
- 1A2/PT1000 1xPT1000 2-wire
- NI1000 1 x NI1000 sensor TK6180
- KTY81-110 1 x KTY81-110 sensor
- KTY81-210 1 x KTY81-210 sensor
- KX type of sensor and tolerance on customer's request

optional (several possible)

- HT high temperature version up to +400°C
(attention, only use cable material GGVA)
- NT low temperature version down to -200°C
(attention, only use cable material Teflon)
- S coordinated selection in pairs (order 2 separate sensors)
- KS with anti-kink spring
- WS with additional shrink tube transition sensor on cable
- WD waterproof sealed
- Vapor potted vapor-tight