

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

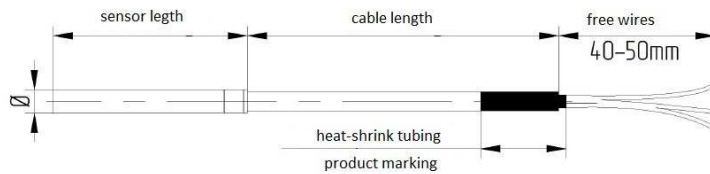
technical specifications

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

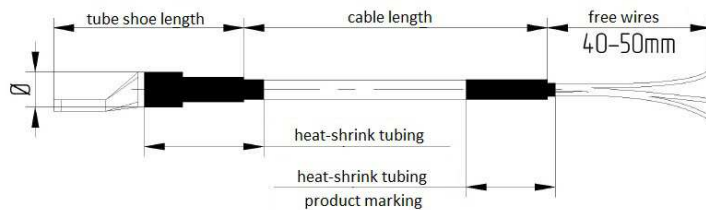
technical drawing

WTR 280...

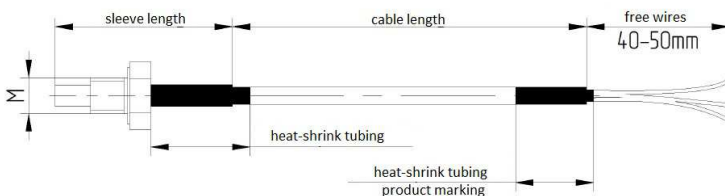
...with sleeve



...with tubular cable lug



...with screw-in thread



different process connections

temperature measurement

order-code WTR 280...

order example: WTR 280-6-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

accessories

THVA-G1/2"	Immersion sleeve with grub screw for 6 mm sensor, specify required length
THVA-KVS-G1/2"	Immersion sleeve with compression fitting for 6 mm sensors, specify required length
KVS	required compression fittings with various threaded connections and available for different sensor diameters

Other lengths available on request.

For more accessories, see accessories data sheet.