

## temperature measurement

### resistance thermometer WTR 430

#### features

- standard resistance thermometer without neck tube
- flat protective fitting without process connection thread
- protective fitting adaptable with different clamp boltings
- protective fitting adaptable with different weld-in screwing
- short reaction time without reduced measuring point
- temperature resistance PT100 directly constructed in protective fitting
- electrical connection with M12-plug (connections see accessories)
- optional with programmable measuring transducer (same programm kit like at KMU100), output 4-20mA 2-wire
- specials on request



WTR 430-9-A-1A-PMU

#### technical specifications

- protective fitting made of stainless steel V4A 1.4404 (316L) resp. V4A 1.4571
- diameter 6 x 1 mm, other diameters on request
- temperature range: -50 °C to +150 °C (extended ranges on request)
- power supply at option measuring transducer 10...35VDC



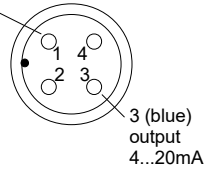
WTR 430-9-A-1A

#### product benefits

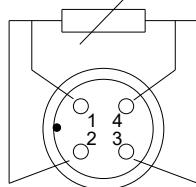
- For recording temperatures and optimal space use in liquids and vapors

#### pin assignment

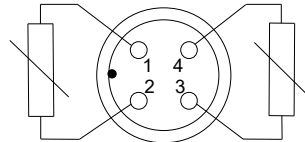
1 (brown)  
 + voltage  
 10...35VDC



M12 plug with PMU



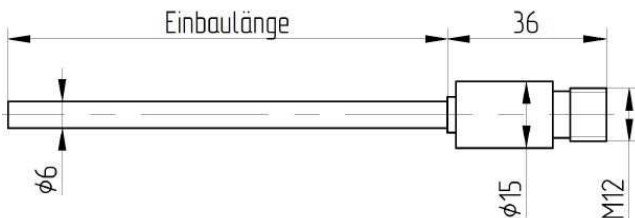
M12 plug  
 PT100 and PT1000



M12 plug  
 2x PT100 or 2x PT1000

1 (brown)  
 2 (white)  
 3 (blue)  
 4 (black)

#### technical drawing



## temperature measurement

order-code WTR 430...

order example: WTR 430-9-A-1A-PMU (0-100 °C)

### kind of connection

-9 compact construction, directly with M12-plug, protection class IP69K

### mounting length

-A 50 mm mounting length  
-B 100 mm mounting length  
-C 150 mm mounting length  
-D 200 mm mounting length  
-E 250 mm mounting length  
-F 300 mm mounting length  
-K mounting length on customer's wish (please specify length)

### type of sensor and tolerance

-1A 1xPT100 class A  
-1A/PT1000 1xPT1000 class A  
-KX other types of sensor and tolerance on customer's request

### tapered measuring point

-V0 (without description) without taper  
-V3 tapered to 3 mm  
-V4 tapered to 4 mm

### optional

-PMU with programmable measuring transducer (temperature ranges on request on preadjustment please specify)

### accessories

#### clamp screw fittings

-99-000197 KVS6E-1/2" clamp screw fitting  
-99-000199 KVS6T-1/2" clamp screw fitting with screw-in thread, for 6mm sensor, clamping ring made of Teflon, material 1.4571  
-99-000512 KVS6E-1/4" clamp screw fitting  
-99-000198 KVS6T-1/4" clamp screw fitting  
-99-000196 KKVS6P bullet clamp bolting, for 6mm tube, PEEK sealing ring, material 1.4404

#### immersion pockets

-99-000456 THVA, 100mm in G1/2", dimension 9x1, diameter immersion pocket 9mm, inner diameter 7mm, material VA, with M4 screw in the hexagon  
-99-001938 THVA-KVS 100mm, in G1/2", sleeve dimension 9x1mm, inner diameter 7mm, with clamp screw fitting for 6mm probe, with PTFE clamping ring  
-99-002871 ESTHK, 50mm, welding immersion pocket, diameter pocket 9x1mm, with clamp screw fitting PEEK, material 1.4404

#### M12-connection wires

-101090 connection cable M12 angled, 4-pole, 5m PVC cable, grey  
-101087 connection cable M12 straight, 4-pole, 5m PVC cable, grey

**Other lengths available on request.**

**For more accessories, see accessories data sheet.**