

## temperature measurement

### resistance thermometer WTR 425

#### features

- compact resistance thermometer
- fast response time without reduced measuring tip
- temperature measuring resistor built directly into protective fitting
- electrical connection with plug M12 (connection cables see accessories)  
 AMP plug or automotive plug DIN 72585 (see type code)
- special designs on request

#### technical specifications

- protection fitting stainless steel 1.4401 (316)
- protection fitting outer diameter 6mm, other diameters on request
- different process connection threads see type code
- temperature range: -50 °C to +150 °C  
 (extended ranges on request)

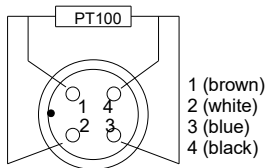
#### typical application areas

- temperature measurement in pipelines
- temperature measurement in vessels
- temperature measurement in harsh environments
- temperature measurement for fast process requirements
- temperature measurement in automotive applications
- temperature measurement on agricultural machines
- compact design, for confined installation sites
- quick sensor change due to connector system
- cost-effective measuring point

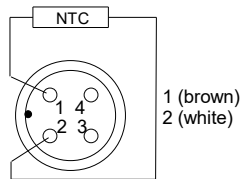


WTR 425-9-G14-50-1A

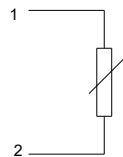
#### Pin assignment



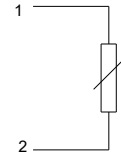
M12 plug (only PT100)



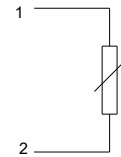
M12 plug (only NTC)



PT1000 2-wire



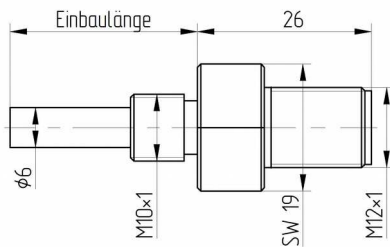
AMP-plug  
 PT100, PT1000



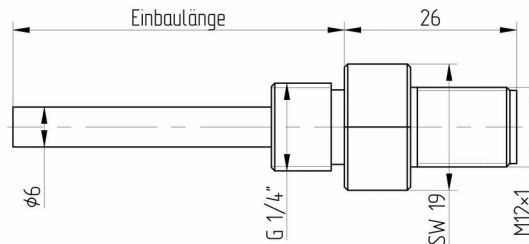
KFZ-plug DIN 72585  
 PT100, PT1000

#### technical drawing

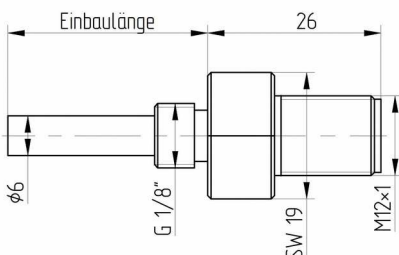
##### WTR 425-9-M10...



##### WTR 425-9-G14...



##### WTR 425-9-G18...



## temperature measurement

resistance thermometer WTR 425

order-code WTR 425...

order example: WTR425-9-G14-50-1A

### connection type

-9	compact design, M12 plug, protection class IP69K
-11	compact design, KFZ-plug DIN 72585, protection class IP69K
-AMP	compact design, AMP-plug, protection class IP67

### process connection

-M10	screw-in thread M10x1
-G18	screw-in thread G1/8"
-G38	screw-in thread G3/8"
-G14	screw-in thread G1/4"

### mounting length

-28	28 mm mounting length
-29	29 mm mounting length
-30	30 mm mounting length
-50	50 mm mounting length
-K	mounting length on customer request

### sensor type and tolerance

-1A	1x PT100 class A
-1A(1/3DIN)3	1x PT100 1/3 DIN tolerance
-1A2/PT1000	1x PT1000 2-wire class A
-1B	1x PT100 class B
-1B2/PT1000	1x PT1000 2-wire class B
-NI1000	1x NI1000 sensor TK6180
-NTC10	1x NTC 10kOhm, 3% (beta value 3435)
-KX	sensor types or tolerances on customer request