

## temperature measurement

### resistance thermometer YVT 517

#### features

- resistance thermometer for temperature measurement in pipelines and cases
- temperature decoupled measuring point/protective fitting
- adaptable with sleeve socket and process connection (see accessories)
- connection head made of V4A
- protective fitting fixed with connection head
- temperature resistance PT100 directly constructed in protective fitting
- electrical connection on board (clamps)  
or programmable measuring transducer
- specials on request

#### technical specifications

- protective fitting made of stainless steel 1.4404 respectively PEEK
- process connection thread G 1/2" A
- temperature ranges: -50 °C to +200 °C  
(extended ranges on request)
- short reaction time
- less influences by environmental temperature
- tightening with max. 10-15 Nm



YVT517..XS YVT517..XR

#### application areas

- temperature measurement in pipelines in the medium
- temperature measurement on cases

### order-code YVT 517...

order example: YVT517-16-XS-2A-2KMU (0-100 °C)

#### connection heads

- 5 stainless steel head standard with screw cap, with screwing, protection class IP69K
- 6 stainless steel head standard with screw cap, with M12-plug, protection class IP69K
- 15 stainless steel head extended design with screw cap, with screwing, protection class IP69K
- 16 stainless steel head extended design, with M12-plug, protection class IP69K

#### mounting type

- XR spherical measuring point, thermal decoupled
- XS tapered measuring point, thermal decoupled

#### type of sensor and tolerance

- 1A 1xPT100 class A
- 2A 2xPT100 class A
- 1C 1xPT100 1/3 DIN
- 2C 2xPT100 1/3 DIN
- KX type of sensor and tolerance on customer's request

#### optional

- KMU with programmable measuring transducer (temperature range on request on preadjustment please specify)
- 2KMU with 2 programmable measuring transducer (head with extended design necessary, please specify the temperature range)

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