

temperature measurement

resistance thermometer WTR 110

features

- resistance thermometer with neck tube
- protective fitting on DIN 43 763
- protective fitting screwed with connection head
- available with several connection heads on DIN
- exchangeable measuring elements with ceramic socket or measuring transducer
- specials on request



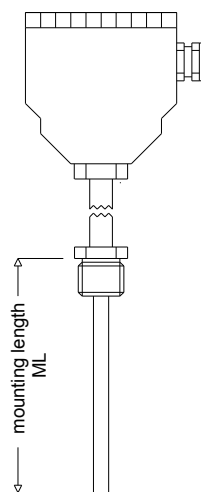
WTR110-5-B-1A3-KMU-HT

technical specifications

- protective fitting of V4A 1.4571
- diameter of protective fitting 9 x 1 mm, other diameter on request
- length of neck tube 120mm, other lengths on request
- process connecting thread G 1/2"A
- standard temperature of the process: -50 °C to +400 °C (other temperature ranges on request)

application areas

- temperature measurement in pipelines
- temperature measurement in cases
- temperature measurement at higher medium temperatures
- temperature measurement at isolated federal measuring facilities
- temperature measurement at high mechanical load



order-code WTR 110...

order example: WTR110-5-A-1A3-KMU (0-100 °C)

connection heads

- 1 aluminiumhead, standard, with screwing, protection class IP65
- 2 aluminiumhead with flap lid, with screwing, protection class IP65
- 3 aluminiumhead with flap lid and snap closing, with screwing, protection class IP54
- 4 aluminiumhead with high flap lid, with screwing, protection class IP65
- 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 hightened design with screwing
- 16 stainless steel head hightened design with M125-plug

mounting length (ML), measuring element length (MEL)

- | | | |
|----|---|---------------|
| -A | 50 mm mounting length | (MEL = 205mm) |
| -B | 100 mm mounting length | (MEL = 255mm) |
| -C | 160 mm mounting length | (MEL = 315mm) |
| -D | 200 mm mounting length | (MEL = 355mm) |
| -E | 250 mm mounting length | (MEL = 405mm) |
| -F | 300 mm mounting length | (MEL = 455mm) |
| -G | 350 mm mounting length | (MEL = 505mm) |
| -H | 400 mm mounting length | (MEL = 555mm) |
| -K | special length according to customer's wish | |

type of sensor and tolerance

- 1A2 1xPT100 class A 2-wire
- 1A3 1xPT100 class A 3-wire
- 1A4 1xPT100 class A 4-wire
- 2A2 2xPT100 class A 2-wire
- 2A3 2xPT100 class A 3-wire
- KX other types of sensor and tolerance on request

optional

- KMU with programmable measuring transducer (temperature range on request on preadjustment please specify)
- 2KMU with 2 programmable measuring transducers
- HT high temperature design up to +650°C
- HTT high temperature design up to +850°C