resistance thermometer WTR 490

features

- modular resistance thermometer for food industry
- medium tangent, measurement flush version
- adaptable with sleev socket and process connections (see accessories)
- process connectiion thread G1/2"
- 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
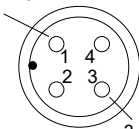
WTR 490-9-Z-1A

technical specifications

- protective fitting made of stainless steel V4A 1.4404 (316L)
  resp. V4A 1.4571
- temperature range: -50 °C to +150 °C
  (extended ranges on request)
- power supply at option measuring transducer 10...35VDC
- tightening torque max. 10-15 Nm
- tighten the sensor only at the wrench size (SW) 22

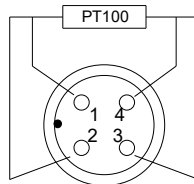WTR 490-9-Z-1A-PMU

product benefits

The WTR 490 is a temperature sensor for the food industry in very compact design. The sensor has a very metallic sealing cone below the connection thread. Due to the modular process connection system it can be equipped in aseptic welding sleeves as well as with different standardized process connections. It is flush with the process. This makes it the ideal probe for measuring in contact with the medium in the process, but where the probe must not enter the process (use of agitators or similar). High-quality materials give this sensor additionally a very high longevity.

pin assignment

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

3 (blue)
output 4...20mA

M12 plug with PMU

PT100

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

M12 plug (only PT100)

technical drawing

WTR 490

Einbaulänge
39.5

ⵁ18
G 1/2"
SW22
M12

WTR 490 with PMU

Einbaulänge
66.5

ⵁ18
G 1/2"
M22
M12
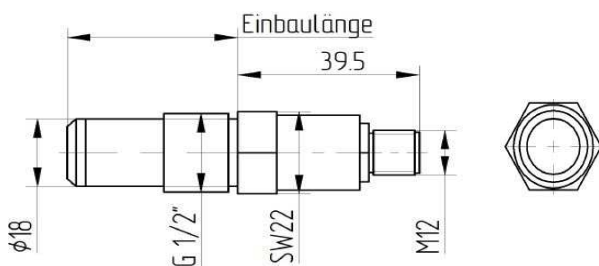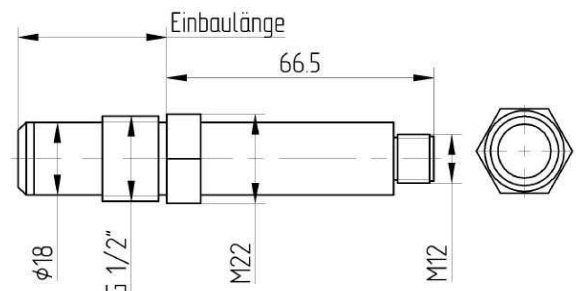
temperature measurement

kind of connection

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

mounting type

-Z   flush version

type of sensor and tolerance

-1A   1xPT100 classe A
-KX   other types of sensor and tolerance on customer`s request

optional

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

accessories

welding sleeves

-99-000191   KEM 150, welding sleeve, bullet, for G1/2" sealing system, diameter 35m,
                 hygienic process adaption
-99-000193   ZEM 150, welding sleeve, cylinder, for G1/2" sealing system, diameter 30mm,
                 hygienic process adaptation

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.