

temperature measurement

resistance thermometer WTR 490

features

- modular resistance thermometer for food industry
- medium tangent, measurement flush version
- adaptable with sleeve socket and process connections (see accessories)
- process connection 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
- **TOP:** optional measuring transducer can be parametrized and adjusted by the customer



WTR490-9-Z-1A

technical specifications

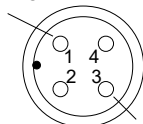
- protective fitting made of stainless steel V4A 1.4404 (316L) resp. V4A 1.4571
- temperature range: -50 °C to +150 °C (extended ranges on request)
- power supply at option measuring transducer 10...35VDC
- tightening with max. 10-15 Nm
- tighten the sensor only at the wrench size (SW) 22

application areas

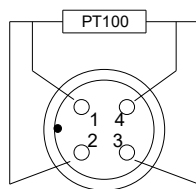
- temperature measurement in pipelines
- temperature measurement in cases
- temperature measurement in rough environments
- temperature measurement at fast process demand
- all food tangent applications
- compact construction, for cramped slots
- demands, where fast change without installation is requested
- low-cost measuring point

pin assignment

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

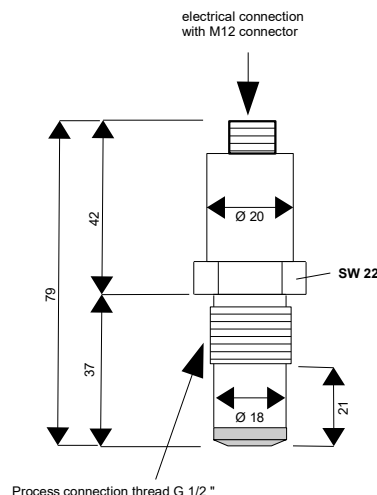


M12 plug with PMU



M12 plug (only PT100)

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



order-code WTR 490... order example: WTR490-9-Z-1A-PMU (0-100 °C)

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)