

Resistance thermometer LTS 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" (1/2" BSP)
- 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, output 4-20 mA 2-wire
- Specials on request

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...35 VDC
- Tightening torque max. 10-15 Nm
- Tighten the sensor only at the wrench size (SW) 22

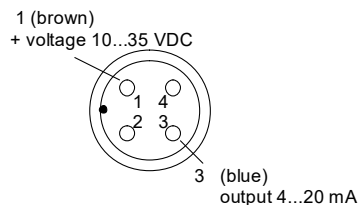


LTS 490-9-Z-1A

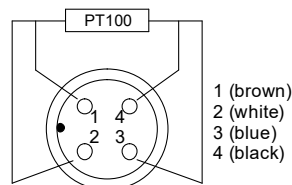
Product benefits

The LTS 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



M12 plug with PMU



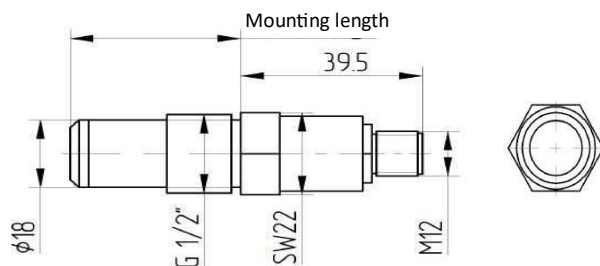
M12 plug (only PT100)



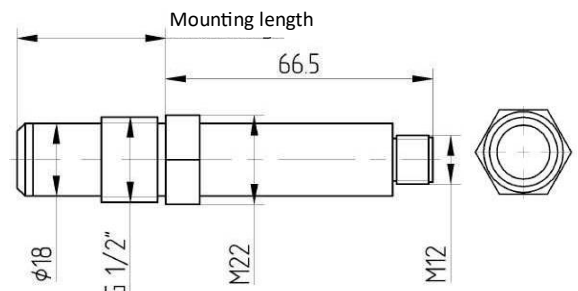
LTS 490-9-Z-1A-PMU

Technical drawing

LTS 490



LTS 490 with PMU



Order-code LTS 490

order example: LTS 490-9-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 measuring transducer (please specify temperature range and configuration)

Accessories

Welding sleeves

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

M12-connection wires

-101090 connection cable M12 angled, 4-pole, 5 m PVC cable, grey
-101087 connection cable M12 straight, 4-pole, 5 m PVC cable, grey

Other lengths available on request.

For more accessories, see accessories data sheet.