

Resistance thermometer LTS 420

Features

- Resistance thermometer without neck tube
- Short reaction time without reduced measuring point
- Temperature resistance PT100 directly constructed in protective fitting
- Electrical connection with M12-plug or ISO 4400 (connection see accessories)
- Optional with 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
- Diameter 6 x 1 mm, other diameters on request
- Process connection thread G 1/2" A
- Temperature ranges: -50 °C to +150 °C (extended ranges on request)
- Power supply at option measuring transducer 10...35 VDC

Product benefits

- For recording temperatures with optimum use of space in liquid and vapor mediums

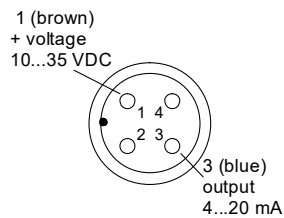


LTS 420-10-...

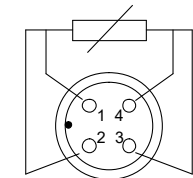
LTS 420-9-A-1A

LTS 420-9-A-1A-PMU

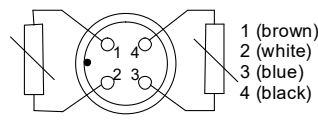
Pin assignment



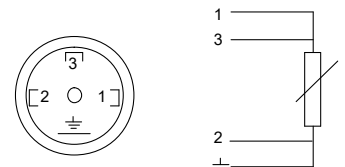
M12 plug with PMU



**M12 plug
PT100 and PT 1000**



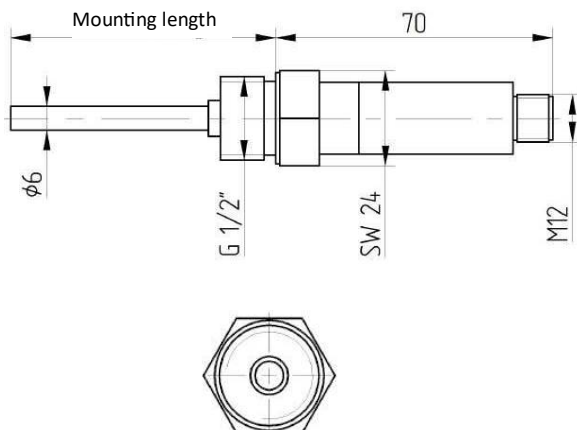
M12 plug
2x PT100 or 2x PT1000



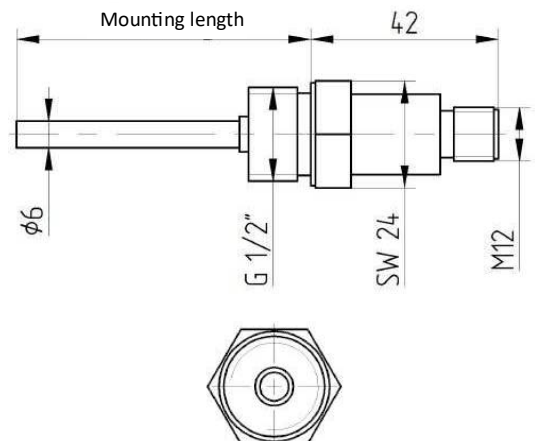
**ISO 4400 plug
PT100 and PT1000**

Technical drawing

LTS 420 with PMU



LTS 420



Order-code LTS 420

order example: LTS 420-9-A-1A-PMU (0-100 °C)

Kind of connection

-9 compact construction, directly with M12-plug, protection class IP69K
-10 compact construction, ISO 4400 plug, protection class IP65

Mounting length

-A 50 mm mounting length
-B 100 mm mounting length
-C 150 mm mounting length
-D 200 mm mounting length
-E 250 mm mounting length
-F 300 mm mounting length
-K mounting length on customer's wish (please specify length)

Type of sensor and tolerance

-1A 1xPT100 class A
-1A/PT1000 1xPT1000 class A
-KX other types of sensor and tolerance on customer's request

Tapered measuring point

-V0 (without description) without taper
-V3 tapered to 3 mm
-V4 tapered to 4 mm

Optional

-PMU with measuring transducer (temperature ranges on request, please specify required specification)
-SPMU with measuring transducer, pin configuration on customers request, please specify

Accessories

welding sleeves

-99-000421 GEM 150, stainless steel weld-in sleeve, G1/2" inner thread, outer diameter 26mm, length sleeve 33mm

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.