promesstec GmbH

resistance thermometer WTR 150

features

- modular restistance thermometer for food industry
- adaptable with sleeve socket- and process connecting thread
  (see accessories)
- with different connection heads on DIN available
- changeable measuring element with ceramic socket
  or programmable measuring transducer
- specials on request
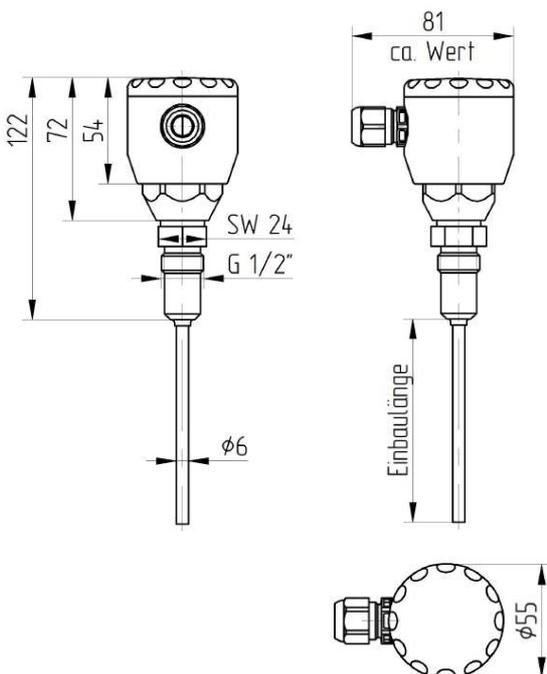
WTR 150-5-B-1A3-KMU

technical specifications

- protective fitting made of stainless steel 1.4571 (V4A)
- diameter 6 mm
- connecting thread for sleeve sockets and process connecting threads G ½"
- temperature ranges: -50 °C to +400 °C
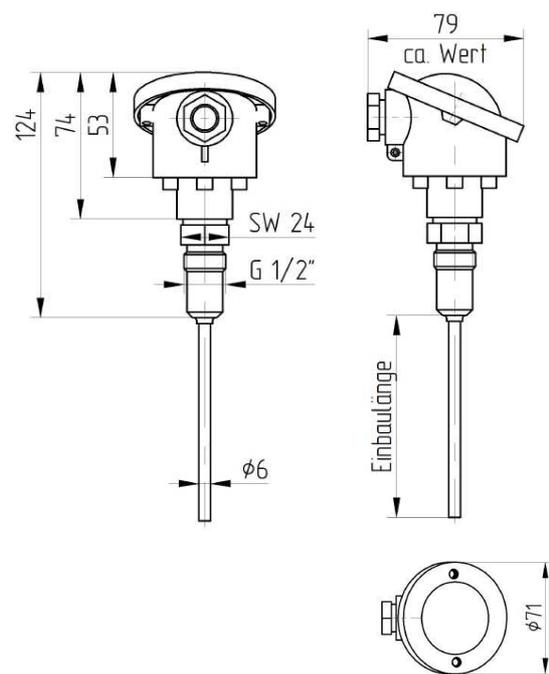 (extended ranges on request)

product benefits

The WTR 150 is a temperature sensor for the food industry. The sensor has a metal sealing cone below the connection thread. Due to the modular process connection system, it can be installed in aseptic welding sockets as well as with various standardized process connections. Due to the simple exchange of the measuring element, this sensor is also ideally suited for use in closed processes. High-quality materials also give this sensor a very long service life.

technical drawing

stainless steel head

aluminiumhead

order-code WTR 150...	order example: WTR 150-5-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 M12-plug, protection class IP69K
-15	stainless steel head hightened design with screw cap,with screwing, protection class IP69K
-16	stainless steel head hightened design with screw cap, with M12-plug, protection class IP69K

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
-G	350 mm mounting length
-H	400 mm mounting length
-K	mounting length on customer`s request (please specify length)

neck tube length

-without details	without neck tube
-HR100	neck tube length 100mm
-HR XX	neck tube length in mm after customer specification (z.B. 50mm)

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	type of sensor and tolerance on customer`s request

optional

-KMU	with programmable measuring transducer (temperature range on request on preadjustment please specify)
-2KMU	with 2 programmable measuring transucers (head hightened design necessary, please name temperature range)

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