

temperature measurement

resistance thermometer WTR 130

features

- resistance thermometer without neck tube and without screw in thread
- flat protective fitting without process connecting thread
- protective fitting with different clamp screw fittings adaptable
- protective fitting with different weld-in screwings adaptable
- protective fitting screwed with connection head
- available with different connection heads on DIN
- changeable measuring element with ceramic socket or programmable measuring transducer
- specials on request

technical specifications

- protection fitting made of stainless steel 1.4571
- diameter 6 x 1 mm, other diameters on request
- aseptic measuring points with welded screwing possible
- temperature range: -50 °C to +400 °C (extended ranges on request)

product benefits

Our WTR 130 is an immersion temperature sensor with a smooth protection fitting. This makes it suitable for use in both liquid and vapour mediums. The simple exchange of the measuring element also makes this sensor ideal for use in closed processes. High quality materials give this sensor a very high long-term durability.



WTR 130-1-B-1A3-KMU



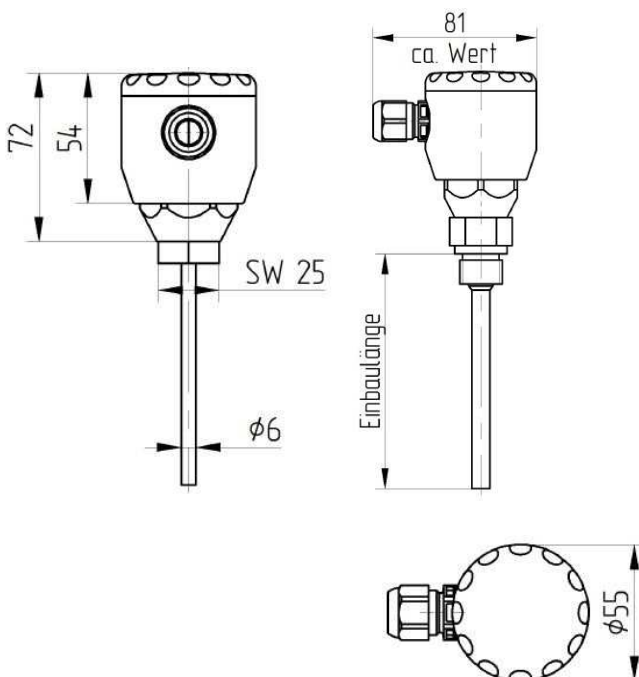
WTR 130-5-R-1A3-KMI I



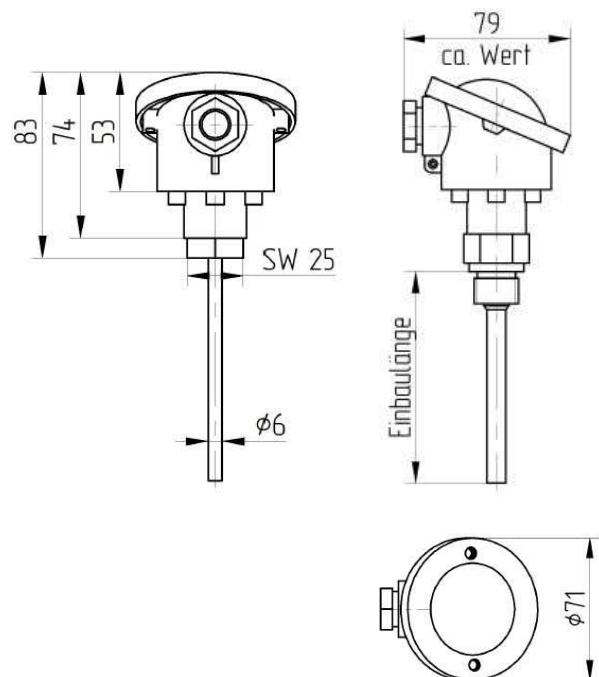
exchangeable measuring element

technical drawing

stainless steel head



aluminiumhead



temperature measurement

order code WTR 130...

order example: WTR 130-5-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
-2W	aluminiumhead with flap lid, with screw connection, protection class IP65 with window
-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 screw cap, 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 (ML), measuring element length (MEL)

-A	50 mm mounting length	(MEL = 85mm)
-B	100 mm mounting length	(MEL = 135mm)
-C	160 mm mounting length	(MEL = 195mm)
-D	200 mm mounting length	(MEL = 235mm)
-E	250 mm mounting length	(MEL = 285mm)
-F	300 mm mounting length	(MEL = 335mm)
-G	350 mm mounting length	(MEL = 385mm)
-H	400 mm mounting length	(MEL = 435mm)
-K	mounting length on customer`s request (please specify length)	

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
-1A2/PT1000	1xPT1000 class A 2-wire
-2A2/PT1000	2xPT1000 class A 2-wire
-KX	other types of sensor and tolerance on customer`s request

optional (several combinations possible)

-KMU	with programmable measuring transducer (temperature range on request on preadjustment please specify)
-2KMU	with 2 programmable measuring transducers (head hightened design necessary, please name temperature range)
-KMUS	with head transmitter output 0...10 VDC
-DMU	OLED display in the viewing window incl. measuring transmitter 4...20 mA configurable via software only with the aluminiumhead "2W"
-MME	coat measuring element, vibration resistant
-PS	perforated protection fitting (air sensor)

accessories

clamp screw fittings

-99-000197	KVS6E-1/2" clamp screw fitting
-99-000199	KVS6T-1/2" clamp screw fitting with screw-in thread, for 6mm sensor, clamping ring made of Teflon, material 1.4571
-99-000512	KVS6E-1/4" clamp screw fitting
-99-000198	KVS6T-1/4" clamp screw fitting
-99-000196	KKVS6P bullet clamp bolting, for 6mm tube, PEEK sealing ring, material 1.4404

M12-Connection wires

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

Other lengths available on request.

For more accessories, see accessories data sheet.