

## temperature measurement

### resistance thermometer WTR 140

#### features

- resistance thermometer for food industry
- connection head made of stainless steel
- closed to the process
- with different connection adapters adaptable to the connection head
- changeable measuring element with ceramic socket or programmable measuring transducer



WTR 140-5-X-1A3

#### technical specifications

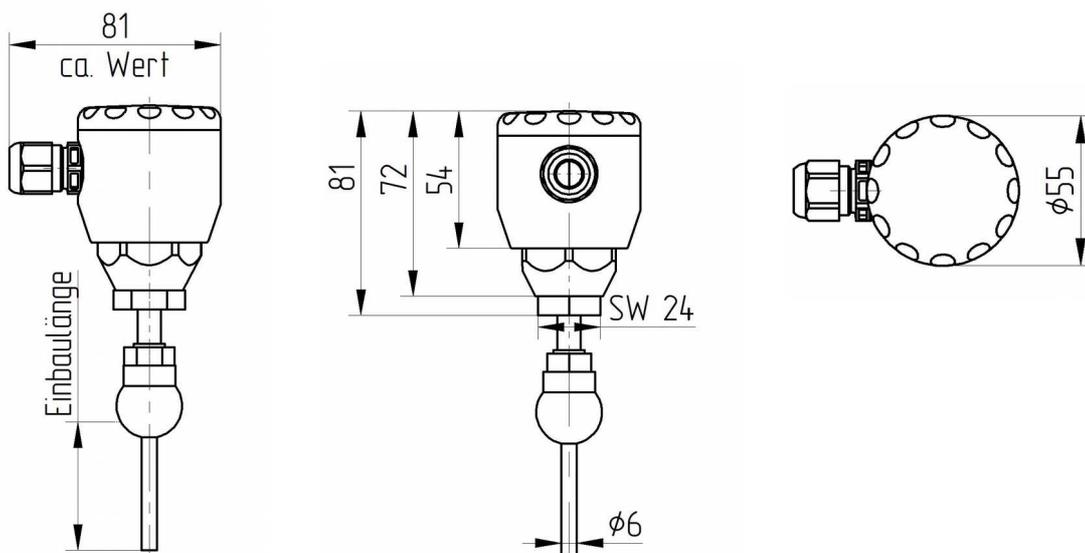
- protective fitting made of stainless steel 1.4571 (V4A)
- diameter 6 x 1 mm, other diameters on request
- diameter of the nodular welded sleeve 25mm
- aseptic measure points
- temperature range: -50 °C to +400 °C (extended ranges on request)

#### product benefits

The WTR 140 is a temperature sensor especially for the food industry. The process is closed to the outside by the hygienic weld-in ball integrated in the immersion sleeve. In addition, the welding ball allows installation in round tanks, pipelines and pipe bends. The stainless steel connection head can be connected to the immersion sleeve by various adapters. The advantages are a decoupling to the process temperature as well as an easy calibration with insulated pipes and tanks. High quality materials give this sensor a very high long-term durability.

#### technical drawing

##### stainless steel head



## temperature measurement

order-code WTR 140...

order example: WTR 140-5-A-1A3-KMU (0-100 °C)

### connection heads

-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

-A	50 mm mounting length with standard adapter
-B	100 mm mounting length with standard adapter
-C	150 mm mounting length with standard adapter
-D	200 mm mounting length with standard adapter
-E	250 mm mounting length with standard adapter
-F	50 mm mounting length with long adapter
-G	100 mm mounting length with long adapter
-H	150 mm mounting length with long adapter
-L	200 mm mounting length with long adapter
-M	250 mm mounting length with long adapter
-X	30 mm mounting length with special adapter
-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
-KX	types 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 transducers (head hightened design necessary, please name temperature range)

### accessories

#### 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.**