



TMW-300 is a water sensor with an adjustable immersion depth. The stainless (rst) Ø 4 mm immersion pipe is 300 mm long. The sensor is used, e.g., as an anticipation sensor in domestic hot water control.

Type code	Meas. element	Meas. accuracy
TMW-300 / NTC10	NTC10	± 0,2 °C (0-70 °C)
TMW-300 / Pt1000	Pt1000	± 1 °C (0-70 °C)
TMW-300 / Ni1000	Ni1000 LG	± 1 °C (0-70 °C)

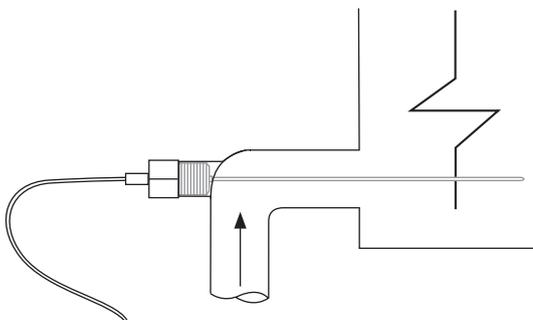
Technical information

Materials

- Immersion pipe	RST AISI 304 EN 1.4301
- Nipple	MS 362 (SKM)
- Cable	LIYY 2 x 0,14 mm, length 1,9 m
Range of use	0 °C...+100 °C (water)
Pressure class	PN 10
Time constant	< 3 s
Wrench size	21 mm, (17 mm)
Thread	R ½"

Installation and connection

The anticipation sensor measures the temperature of the water from inside the conveyor during consumption. During a time of no consumption the anticipation sensor measures the temperature of circulating water.



1. Screw the sensor on a welded pipe fitting or T-piece on the return side of the conveyor using proper sealing methods.
2. To adjust the sensor's immersion depth open the two-piece brass nipple (wrench size 17 and 21 mm) and the holding screw with an Allen wrench. Adjust the immersion depth as long as possible but not so long that the tip of the immersion tube touches the wall.
3. Tighten the brass nipple's two pieces (the correct clamping force is 20N!). Tighten the holding screw to ensure that the immersion pipe does not slide off.
4. Connect the sensor to the controlling device as a two-wire connection using weak current cable. The polarity of the cable is irrelevant.