



With display

Features

- Active transmitters
 0-10 Vdc or 4-20 mA output
 - 8 different temperature ranges in same unit, selectable via jumpers on pcb:

-20°C to +150°C, -50°C to +50°C, -20°C to +80°C, -30°C to +60°C, 0 to +40°C, 0 to +50°C, 0 to +100°C and 0 to +150°C

other temperature ranges on request

- With or without display
- IP65 housing
- Included 300 mm adjustable strap-on band, for pipe diameter 13 to 92 mm (1/4" to 3")

Ordering

Type no.	Output	Display
TSTH 010	0-10 Vdc	No
TSTH 420	4-20mA	No
TSTH 010D	0-10 Vdc	Yes
TSTH 420D	4-20mA	Yes



Technical data

Measuring ranges in same unit as standard is selectable via jumpers on pcb. T max up to100°C, T max up to100°C, vith manual zero point correction (+/-10K)The strap-on temperature ventilation and air conditi The strap-on temperature ventilation and air conditi to 28 different measuring ter selectable via 0.10 Vdc 2-wire for 0.20 MAThe IP 65 plastic housing cable entry gland. PCB a the cover.Accuracy0.3 K (Kelvin)The IP 65 plastic housing cable entry gland. PCB a the cover.The IP 65 plastic housing cable entry gland. PCB a the cover.Power supply24 Vac/dc +/. 10% for output 0-10 Vdc 15-35 Vdc for output 4-20 mAThe TSTH is provided wil pipe's surface and the u 300 mm strap-on band, cAmbient temperature -30°C to +70°CThe TSTH is provided will pipe's surface and the u 300 mm strap-on band, cHumidity< 95% r.H. non-precipitating airProtection typeIP65 (according to EN 60529)'Protection classIII (according to EN 60529)'Brotection classIII (according to EN 60529)'Musing dimensions72x64x39 mm excluding cable entry glandCable glandM16, including strail reliefStandardsCE conformity, electromagnetic compatibility according to EMC directive 2004/108/ECDisplaysingle line display with illumination, cutout 37x15 mm (W x H), for pipe diameter 13 to 92 mm (1/4" to 3")				
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with a tighener deliveried together with the TSTH	Display	cutout 37x15 mm (W x H), for displaying actual temperature		
	Mounting	with a tighener deliveried together with the TSTH		

Application/Description

The strap-on temperature transmitter TSTH is used for					
sensing the temperature of pipework in heating,					
ntilation and air conditioning systems.					

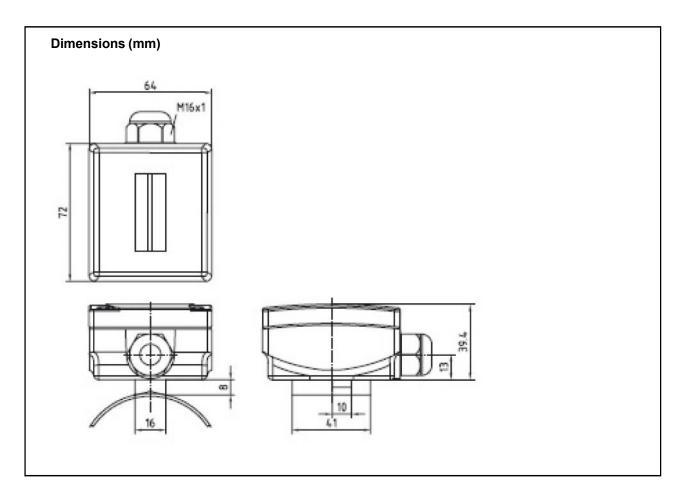
The strap-on temperature transmitter TSTH are available with 0-10 Vdc or 4-20 mA output with 8 different measuring temperature ranges selectable on pcb in same unit.

The IP 65 plastic housing is supplied with a plastic cable entry gland. PCB and connection terminal is under the cover.

The TSTH is provided with a clamp that adapts to the bipe's surface and the unit is fixed with an adjustable 300 mm strap-on band, other strap-on lengths are available.

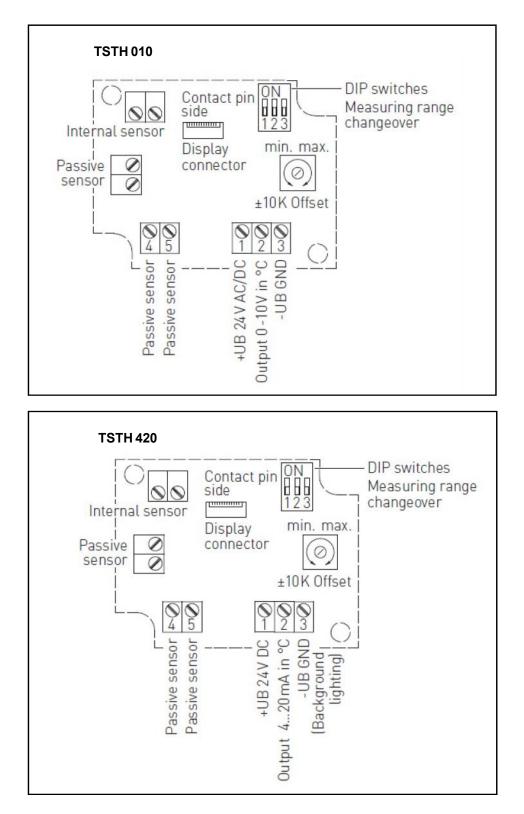








Electrical connections





Measuring ranges (adjustable)	JP 1	JP 2	JP 3	JP 4
-20°C + 150°C	••	•••	•••	•••
-50°C +50°C	00	•••	•••	•••
-20°C +80°C	••	00	•••	•••
-30°C +60°C	00	00	•••	•••
0°C +40°C	••	•••	00	•••
0°C +50°C	00	•••	00	•••
0°C + 100 °C	••	00	00	•••
0°C + 150 °C	00	00	00	•••

8 different temperature ranges in same unit, selectable via jumpers on pcb

We reserve the right to make changes in our products without any notice which may effect the accuracy of the information contained in this leaflet.