

## Device description

## Clamp-on sensor TAS

### Application

The clamp-on sensor TAS is fastened with a tightening strap to the pipe and serves to monitor the pipe conduit temperatures with its switching output, e.g. for monitoring the intake feed or return flow temperature in heating plants.

### Type

TAS Clamp-on sensor for temperature range 30..90°C

### Technical data

Output 1 relay; max. 230 V AC, 16 (2)A  
switching difference approx. 4 K

Measuring system liquid sensor in Cu-housing

Setpoint range 30..90°C

Connection Screw connection terminal

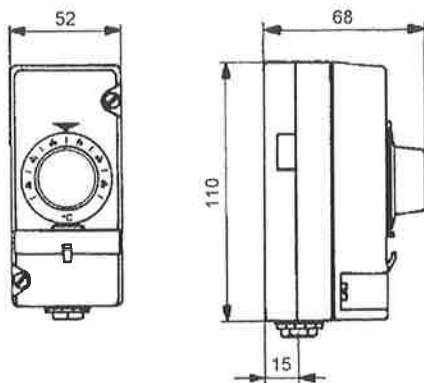
Ambient temp. 0..80°C

Sensor temperature max. 100°C

Degree of enclosure protection IP 20

Mounting To the bare pipe conduit with the included tightening strap (approx. 340 mm lang)

### Measurements



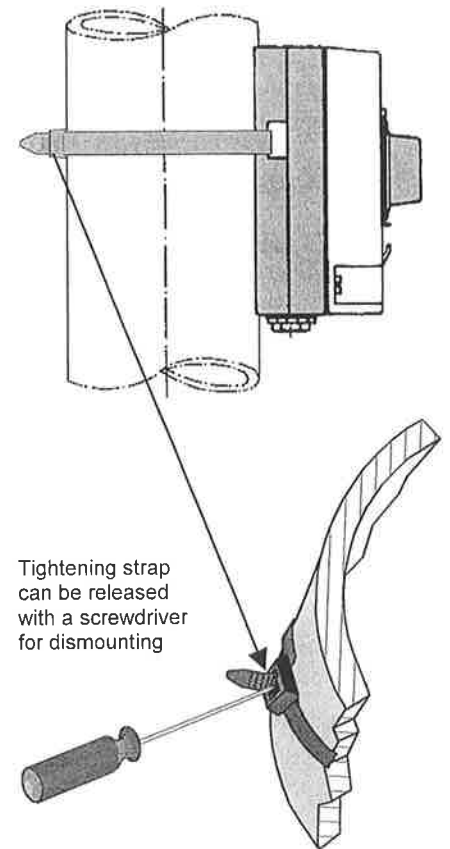
### Mounting



Warning

**Mounting may only be carried out by qualified personnel**

- There may be no temperature layers in the pipe conduit at the mounting location.
- The pipe surface at the mounting location must be bare; if necessary, remove paint or other insulation.
- The included tightening strap is inserted through the sensor socket and tightened to the pipe. Excess length can be cut off. The clamp-on sensor must make good thermal contact to the pipe!



Tightening strap can be released with a screwdriver for dismounting

### Installation



Danger

**The electrical installation with connections to the devices may only be carried out by qualified personnel.**

Local regulations must be observed.  
The device connection should be carried out according to the valid equipment diagram.  
After the connections are made, the cover should be mounted with the two included screws.

### Switching function

If the temperature reaches or exceeds the setpoint value, the relay switches from terminal P1 – 1 to P1 – 2.  
If the temperature declines to approx. 4 K below the setpoint, the relay switches back.

### Connections

