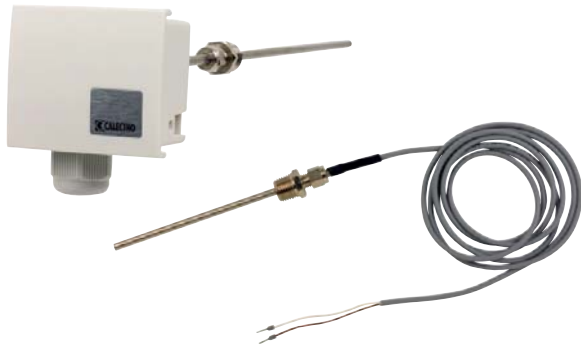


# CTS-Ix-PT1000 TEMPERATURE SENSOR

Immersion sensor for fluids, with variable insertion length and clamp ring coupling, Pt1000 sensor element



## TECHNICAL DATA

<b>Sensor element:</b>	1000 Ohm at 0°C DIN EN 60751, class B
<b>Insertion lengths, max:</b>	100, 200 and 300 mm
<b>Diameter, pipe:</b>	4 mm
<b>Materials:</b>	
<b>Pipe:</b>	Acid proof steel
<b>Clamp ring coupling:</b>	Nickel plated brass
<b>Time constant:</b>	Approx. 5 s
<b>Pressure class:</b>	PN 16
<b>Connection:</b>	1/4"RG

### Variant with cable CTS-IC-x

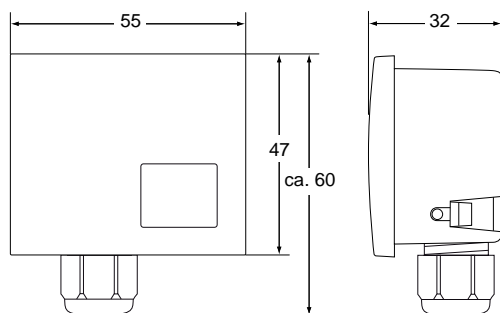
<b>Temperature range:</b>	-30°C to +80°C
<b>Cable length:</b>	1.5 m
<b>Cable:</b>	Halogen free Polyolefin
<b>Protection class:</b>	IP65

### Variant with housing CTS-IH-x

<b>Temperature range:</b>	-30°C to +100°C
<b>Cable gland M16:</b>	5-10 mm
<b>Housing:</b>	PC/ABS
<b>Protection class:</b>	IP54

## DIMENSIONS

(mm)



## PROPERTIES

- Pt1000 sensor element
- Simple installation
- Variable insertion length

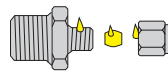
## USE

CTS-I temperature sensor is used for measuring temperatures in fluids.

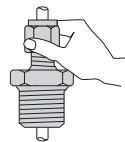
## INSTALLATION

The sensor body has a variable insertion length, max. 100, 200 or 300 mm depending on model.

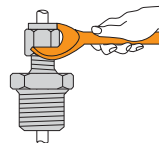
Installation instructions for clamp ring coupling:



1. Lubricate nipple, clamp ring and pipe nut with a little oil.



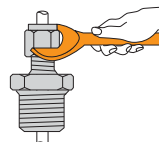
2. Tighten pipe nut by hand.



3. Tighten pipe nut one and a quarter of a turn using a 10 mm spanner.

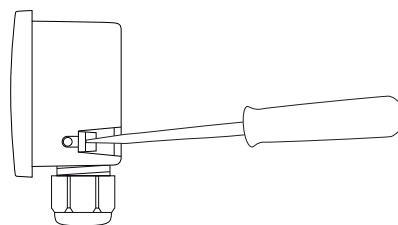


4. Unscrew the pipe nut to check that the clamp ring is straight on the pipe. The clamp ring track is to be evenly distributed around the pipe.



5. Reassemble the nut and tighten an additional quarter turn.

The coupling housing's cover is removed by pressing in the lock catches on the side of the case.



## ORDERING EXAMPLE

Item code	Designation
CTS-IC-100-PT1000	Fluid immersion sensor 100mm, 1.5m cable
CTS-IC-200-PT1000	Fluid immersion sensor 200mm, 1.5m cable
CTS-IC-300-PT1000	Fluid immersion sensor 300mm, 1.5m cable
CTS-IH-100-PT1000	Fluid immersion sensor 100mm, housing
CTS-IH-200-PT1000	Fluid immersion sensor 200mm, housing
CTS-IH-300-PT1000	Fluid immersion sensor 300mm, housing
CTS-A-1/4-1/2	Adapter int. 1/4", ext. 1/2"