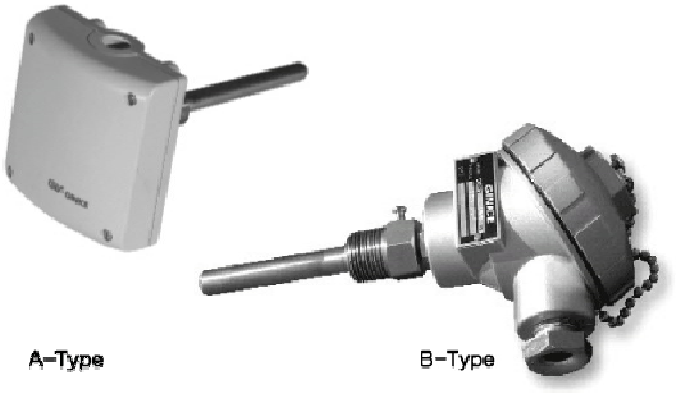
PIPE TEMPERATURE SENSOR (GPT-N10K)



A-Type B-Type

Application

"GPT" Pipe Temperature sensor is intended for immersion mounting in pipes, and tanks.

The immersion tube is made of stainless steel.

- TEMPERATURE CONTROL AND LIMITING FOR FLUIDS
- TEMPERATURE LIMITING FOR CIRCULATING WATER
- WATER TEMPERATURE CONTROL FOR TANK

Technical Data

- SENSING ELEMENT : NTC 10KΩ (10000Ω)
  TYPE - ACI/10K-CP(BA/10K-2) , ACI/10K-AN(BA/10K-3)
- SENSING RANGE : -40 ~ +150℃
- ACCURACY : ±0.2℃ at 25℃
- SENSING TIME : About 30sec(Without WELL 10sec)
- AMBIENT TEMPERATURE :
  1) On Operation: -30 ~ +90℃(A-Type), -30 ~ +150℃(B-Type)
  2) On Transportation: -15 ~ +100℃
  3) On Storage: -10 ~ +80℃
- AMBIENT HUMIDITY : 5 ~ 95%Rh
- APPLICATION : DDC SYSTEM
- CHARACTERISTICS : Table of Reference Values
- WIRE : 2 wires, 1.0㎟
- CABLE FITTING : PF 1/2"
- WEIGHT : 0.430Kg(W/WELL)
- WELL LENGTH : 130mm

- PROTECTION CLASS : IP 54
- COVER : Aluminum die-Cast (B Type)
- WELL : SS304

Notes

- Use Drill Bar for WELL in case of over 6Kg/cm² of Nominal Pressure
- Install the Sensor to the following location depend on each usage :

1) In case of controlling temperature for Fluids objects (Warm & Cold water)

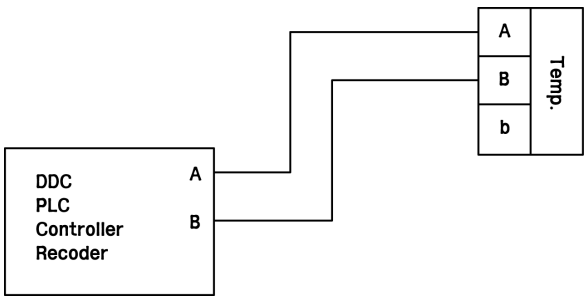
- In case of installing the pump inside of Fluids :
  Install at the behind of Pump
- In case of installing the pump on the line of circulating water :
  Install 1.5 ~ 2m away from Mixed Valve

2) In case of controlling temperature for circulating water

- For accurate control of temperature, Sensor should be installed at inside of circulating pipe, and installed at the place where water can be mixed well..

※ WELL should be installed at the Elbow for the reverse direction from Fluids

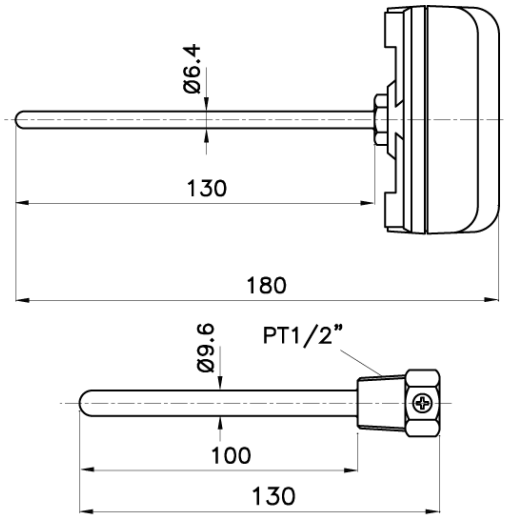
Wiring Diagram



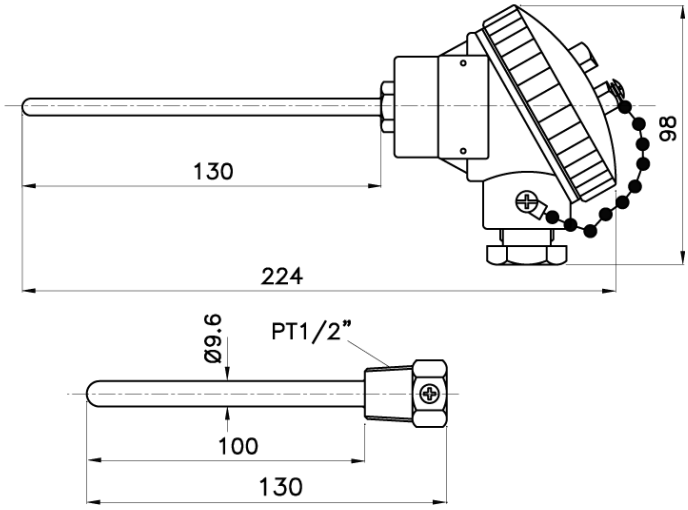
NTC 10000Ω

Dimension

A Type

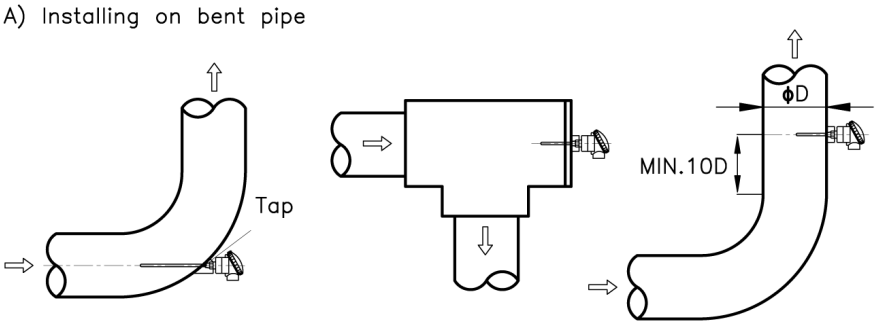


B Type



Installing Methods

A) Installing on bent pipe



B) Installing on straight pipe

C) Installing on narrower pipe