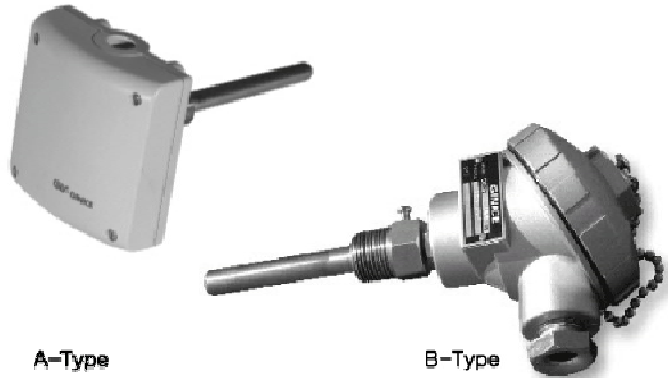


PIPE TEMPERATURE SENSOR (GPT-N5K)



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

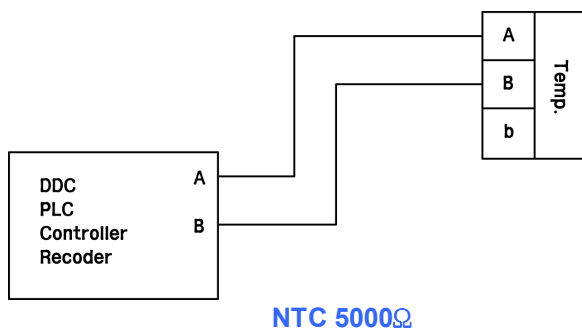
- SENSING ELEMENT : NTC 5K Ω (5000 Ω)
- SENSING RANGE : -50 ~ +110 $^{\circ}$ C
- ACCURACY : $\pm 0.3^{\circ}$ C at 25 $^{\circ}$ C
- SENSING TIME : About 30sec(Without WELL 10sec)
- AMBIENT TEMPERATURE :
 - 1) On Operation : -30 ~ +90 $^{\circ}$ C(A-Type), -30 ~ +150 $^{\circ}$ C(B-Type)
 - 2) On Transportation : -15 ~ +100 $^{\circ}$ C
 - 3) On Storage : -10 ~ +80 $^{\circ}$ C
- AMBIENT HUMIDITY : 5 ~ 95%Rh
- APPLICATION : DDC SYSTEM
- CHARACTERISTICS : Table of Reference Values
- WIRE : 2 wires, 1.0mm²
- 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

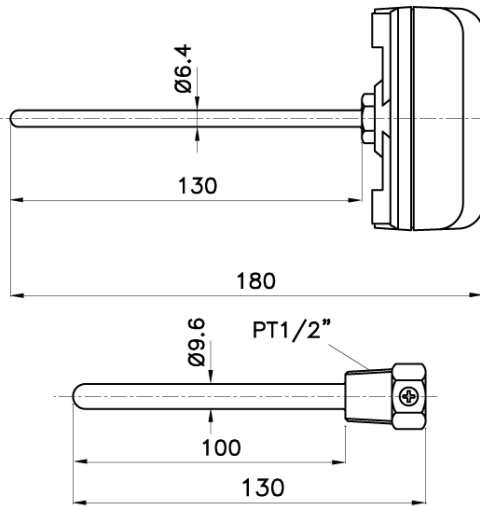
- Use Drill Bar for WELL in case of over 6Kg/cm² of Nominal Pressure
 - Install the Sensor to the following location depend on each usage :
 - 1) In case of controlling temperature for Fluids objects (Warm & Cold water)
 - In case of installing the pump inside of Fluids :
Install at the behind of Pump
 - 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

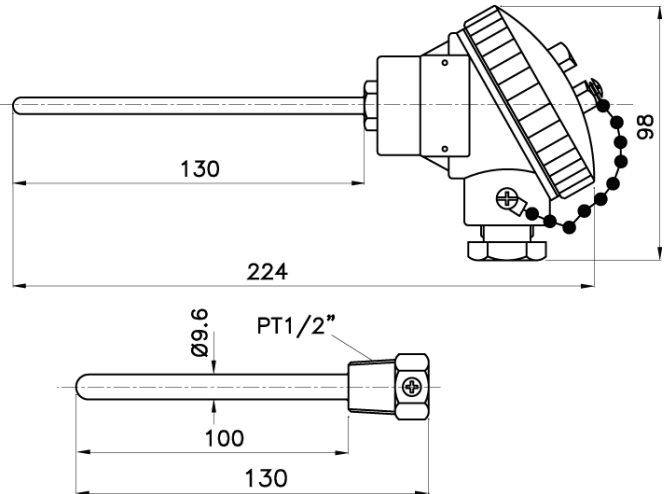


Dimension

A Type

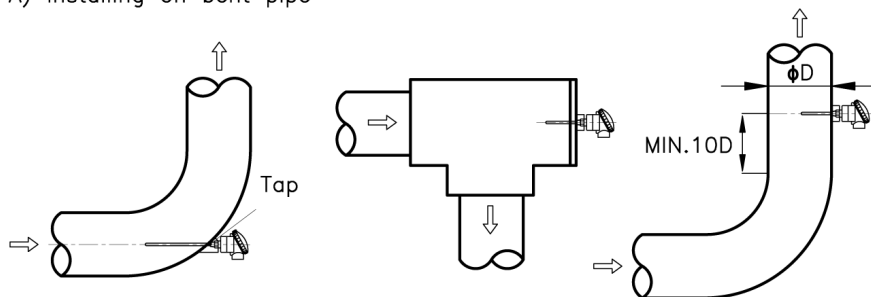


B Type



Installing Methods

A) Installing on bent pipe



B) Installing on straight pipe



C) Installing on narrower pipe

