



Type A



Type B

The ZPTS is an immersion temperature sensor for measuring temperature in liquids. Using resistance temperature sensing elements, it provides a cost effective solution for simple temperature measurement.

- Output signal Pt100, Pt1000, NTC10k
- Accuracy +/- 0.3°C
- Measuring range -30...+150°C
- Protection class IP54 or IP65

Function

ZPTS is intended for immersion mounting in water pipes for measuring temperature in liquids.

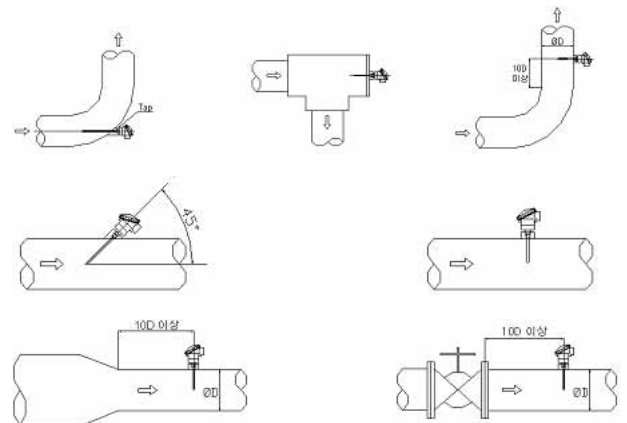
The sensor is supplied with a 130 mm probe and is available with different sensor types.

The sensor should be mounted at a bend in the piping using a T-joint. The thread is 1/2" pipe thread. If possible, mount the unit with the probe pointing towards the flow direction.

Casing

Type A casing provide IP54 protection class.

Type B casing provide IP65 protection class.



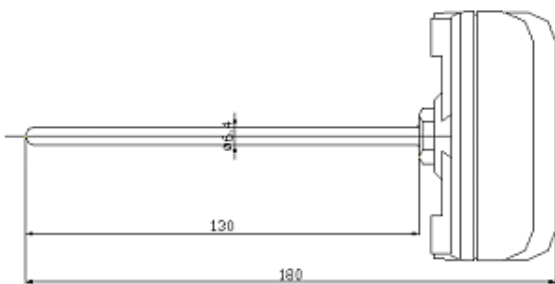
Model

Model	Casing	No. of Wires	Sensor type
ZPTS-Pt100/A	Type A	3 wire	Pt100
ZPTS-Pt100/B	Type B	3 wire	Pt100
ZPTS-Pt1000/A	Type A	2/3 wire	Pt1000
ZPTS-Pt1000/B	Type B	2/3 wire	Pt1000
ZPTS-NTC10k/A	Type A	2 wire	NTC10k
ZPTS-NTC10k/B	Type B	2 wire	NTC10k

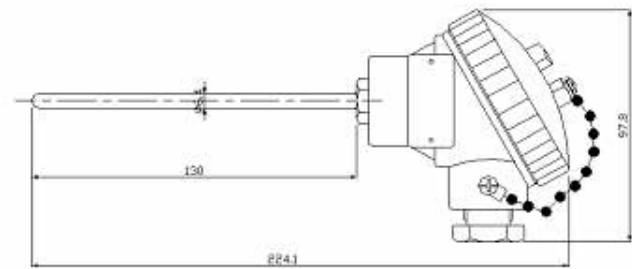
Technical Data

Sensing Element	PT100	PT1000	NTC10K
Sensing Range	-30 ~ +150°C	-30 ~ +150°C	-40 ~ +150°C
Accuracy	+/- 0.3°C	+/- 0.3°C	+/- 0.3°C at 25°C
Wiring	3 Wire	2/3 Wire	2 Wire
Sensing Time	Approx. 20 Sec.	Approx. 20 Sec.	Approx. 20 Sec.
Working Temperature	-30 ~ +150 °C		
Storage Temperature	-10 ~ +80 °C		
Ambient Humidity	5 ~ 95 % Rh		
Protection Class	IP 54/65		
Weight	0.46 Kg(W/WELL)		
Length	130 mm		
Cover	Aluminum die-cast		
Well	SS304		

Dimensions



Type A



Type B

Wiring

