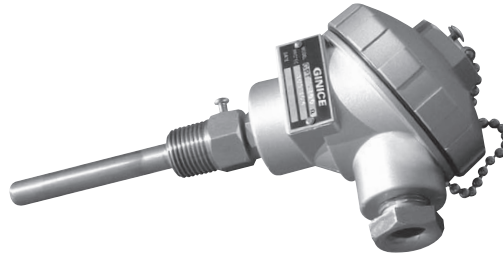




1-6

Pipe temperature sensor GPTO-420 / GPTO-110



Applications

- Temperature sensors to the inside of pipe and tank
- Sensors for fluid temperature
 - temperature of circulating fluid
 - internal temperature of the tank

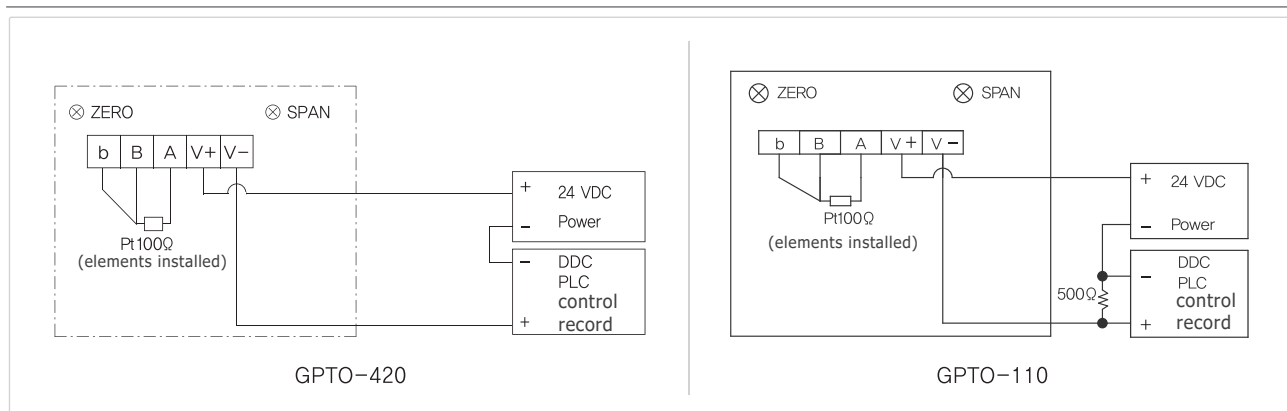
Technical Data

- Power supply : 15 ~ 30 VDC
- Output signal : 4 ~ 20mA(GPTO-420) / 2 ~ 10VDC(GPTO-110)
- Range of sensor : ① 0 ~ 150°C(standard)
 - ② -30 ~ 70°C
 - ③ -50 ~ 50°C
 - ④ -20 ~ 200°C
- Precision : ± 0.3°C
- Wiring : 2 wire
- Sensing time : Appr. 30sec(10sec without Thermowell(drilled bar))
- Ambient temperature
 - 1) operation : -30 ~ 150°C
 - 2) storage : -10 ~ 80°C
- Ambient humidity : 5 ~ 95% RH
- Cable entry gland : PF 1/2"
- Protection : IP54
- Weight(with thermowell) : 0.46kg
- Length : 130mm
- Thermowell(drilled bar) : SS304

Notes

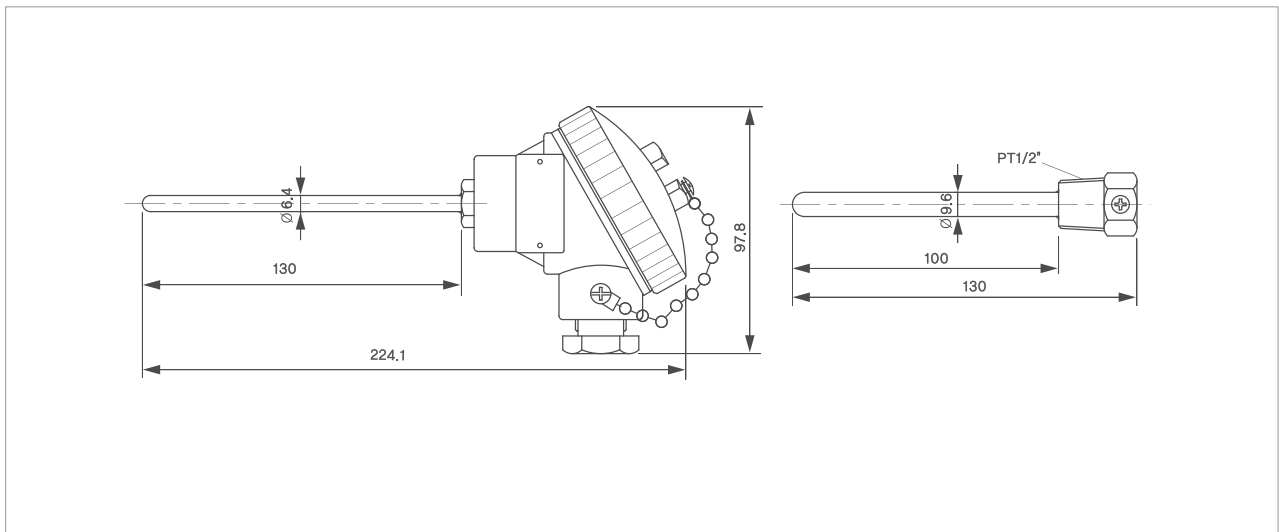
- Thermowell(drilled bar) recommended for over 6kgf/cm²(nominal pressure)
- Install sensors by each usage as follows ;
 - 1) To control fluid temperature(hot and cold water)
 - pump installed along with the flow : right back of pump
 - pump installed in circulating line : 1.5 ~ 2m away from mixing valve
 - 2) To control circulating fluid
 - install sensor to the inside of the pipe for correct temperature detection or at fluid-well-mixed location
- Install Thermowell(drilled bar) into the elbow of the pipe against the flow

Wiring diagram



Pipe temperature sensors - Dimension and installation
1-6 GPTO-420 / GPTO-110

 Shape dimension



 Mounting Notes

