



Surface Temperature Sensor

GP-02 series

- CE
- Water-proof
- UL
- IP57
- High precision
- RoHS

Applications :

Panel, Solar panels, Variety of metals,
Plastics, Irregularly surface,
Meteorological observations

Features :

- Measurement Range: -40~+250°C
(Higher temperature model can be customized)
- PT100Ω : DIN, IEC751, JIS class A, $\pm(0.15+0.002 | t |)^{\circ}\text{C}$
- Thermocouple : class 1
- Fast Response, High Accuracy
- Easy to Installation
- Resistance to Harsh Environments and Chemicals

Weather Resistant



※ The cable can be up to 300m

Specifications of GP-02

Model	GP-02 (Attachable type) / GP-02-PS (Screws mounting type)
Sensor Element	PT100Ω Class A (thermocouple type optioned)
Accuracy	PT100Ω : DIN, IEC751, JIS class A, $\pm(0.15+0.002 t)^{\circ}\text{C}$ Thermocouple : class 1
Extension of Signal Cable	1M for standard. (The length can be customized)
Sheet Size	GP-02 : 10 ×16mm, t=1.0mm GP-02-PS : 19×22mm, t=1.5mm
Reaction Rate	Approx. 15 sec. ※ Surface completely fit circumstances
Thermal Conductivity	Lower than 100°C, $\geq 0.8\text{W/mk}$ Higher than 120°C, $> 1.5\text{W/mk}$
Mechanical Strength	Climate-bearable for outdoor use Anti-corrosion : Gasoline, Acetone, Cleaning fluid, Acid-based agent
Approvals	IP57, CE, UL, RoHS

※ Specifications are subject to change without notice.

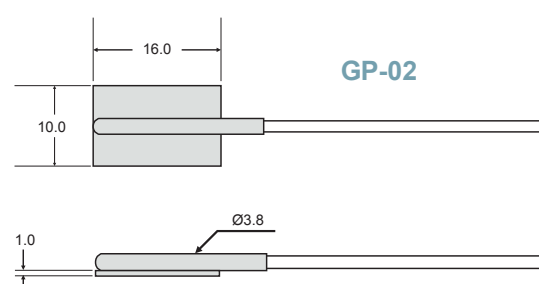
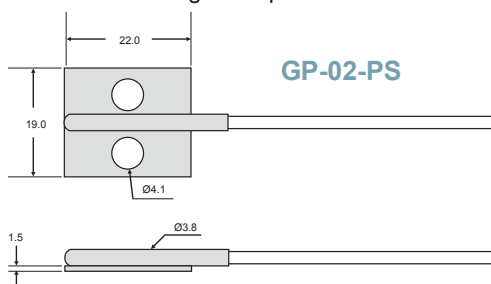
Option Accessories

Sensor Element	A. Platinum PT100Ω/50Ω/1000Ω DIN - Class A B. Thermocouple K,J,E,T,N Type
Extension Signal Cable	1. PVC cable(Max.105°C) 2. Silicone cable(Max.150°C) 3. Teflon cable(Max.260°C) ※ The length of extension signal cable upon request
Connection Method	1. Y Terminal 2. Bare Wire

Installation

- a. Heat-Resistant Adhesive
c. High-Temperature Aluminum Tape

- b. Galvanized Iron Retainer Clip
d. Screw Retainer Hole



unit :mm