

P48 PT100 or PT1000 Temperature Sensor

- Available as PT100 or PT1000
- Up to 1,450 psi
- From -58°F to 248°F
- Response time less than 3.5sec
- Tapered AISI 316L stainless steel probe
- Suitable for most liquids
- Suitable for air



About

The P48 is a compact, robust sensor featuring a PT100 or PT1000 sensing element with 4-wire configuration for high-accuracy temperature measurements. Its IP67-rated overmolded M12x1 connector ensures durability in harsh environments. The fast response time and compact design make it ideal for liquid and air applications. The P48 operates effectively in temperatures up to 248°F.

Applications

- ✓ Generators
- ✓ Compressors
- ✓ Food processing machinery
- ✓ Pharmaceutical equipment
- ✓ Biomedical equipment
- ✓ HVAC-R
- ✓ CNC machines
- ✓ Skid Packagers
- ✓ Test Benches
- ✓ more

Build Your Part Number

Series P48

Example: P48S15A1A

Series	
P48	

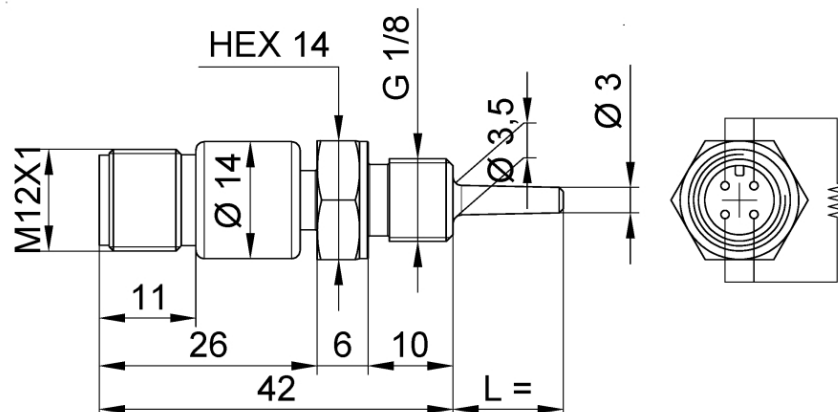
Sensing Element - select one	
S1	PT100
S2	PT1000

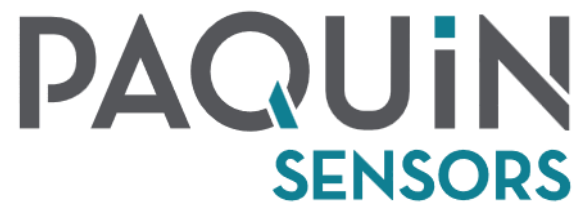
Process Connection & Probe Length - select one	
5A	1/8" NPT with 13mm probe
5B	1/8" NPT with 24mm probe
5C	1/4" NPT with 13mm probe
5D	1/4" NPT with 24mm probe
5M	G1/8" with 13mm probe
5P	G1/8" with 24mm probe
5N	G1/4" with 13mm probe
5Q	G1/4" with 13mm probe
5X	Custom - please ask

Accuracy Class accordance to IEC751 - select one	
1A	Class A
2A	Class B

Technical Parameters	
Sensing element configuration	Single 4-wire
Output signal type	PT100 PT1000
Temperature range	-58 ... 248°F
Probe diameter	3.5mm tapered conical to 3mm
Probe material	AISI 316L
Response time	< 3.5 seconds
Insulation resistance	100 M Ω @ 1000 Vdc
Electrical connector	M12x1, 4-pole
Housing material	Polyamide (molded)
Process connection	1/8" npt male, G 1/8" male, 1/4" npt male, G1/4" male
Protection	IP67
Maximum working pressure	1,450 psi
Accuracy	Class A Class B

Dimensions (mm)





Paquin Sensors' product portfolio is designed to provide options to fit the most diverse range of specifications.

We collaborate with our customers to match the best product technologies with your unique application requirements.

Please [contact us](#) or call +1 (800) 831-8217 anytime to discuss your needs!