

High Volume OEM Transmitter

- All stainless-steel wetted parts
- Compact & light weight
- Gauge, sealed gauge & absolute
- 4...20mA, 0...5VDC, 1...5VDC, 0...10VDC, 1...10VDC, 0.5...4.5 VDC ratio & 0.5...4.5 VDC non ratiometric output signals
- OEM budget friendly



About

The P1 is a competitively priced high-volume OEM transmitter. The all welded stainless-steel construction make it suitable for applications calling for the monitoring of pneumatic and fluid applications. From full vacuum to 7,500 psig, the P1 can accommodate of host of applications.

Applications

- ✓ Hydraulics
- ✓ Pneumatic
- ✓ Liquid & gasses
- ✓ Chemicals
- ✓ Compressors
- ✓ HVAC
- ✓ Refrigeration
- ✓ CNC machines

Build Your Part Number

Series P1

Example: P1GA115A6A-PSE10

Series

P1

Pressure Reference - select one

G	Gauge
S	Sealed Gauge
A	Absolute

Output Signal - select one

A	4 ... 20 mA
B	0 ... 5 VDC
E	1...5 VDC
C	0 ... 10 VDC
G	1...10 VDC
D	0.5 ... 4.5 VDC ratiometric
H	0.5 ... 4.5 VDC non-ratiometric

Supply

24 (12... 36) VDC
24 (12 ... 36) VDC
24 (12 ... 36) VDC
24 (12 ... 36) VDC
24 (12 ... 36) VDC
5 VDC
24 (12 ... 36) VDC

Pressure Range (psi) - select one

11	-14.5 ... 0
12	0 ... -14.5
13	-14.5 ... 15
14	-14.5 ... 30
15	0 ... 1.5
16	0 ... 2
17	0 ... 2.5
18	0 ... 5
19	0 ... 10
21	0 ... 15
22	0 ... 20
23	0 ... 25
24	0 ... 30
25	0 ... 50
26	0 ... 100
27	0 ... 150
28	0 ... 200
29	0 ... 250
31	0 ... 300
32	0 ... 400
33	0 ... 500 (sealed gauge)
34	0 ... 1000 (sealed gauge)
35	0 ... 1500 (sealed gauge; internal damping element / 1.2mm orifice)
36	0 ... 2000 (sealed gauge; internal damping element / 1.2mm orifice)
37	0 ... 3000 (sealed gauge; internal damping element / 1.2mm orifice)
38	0 ... 5000 (sealed gauge; internal damping element / 1.2mm orifice)
39	0 ... 7500 (sealed gauge; internal damping element / 1.2mm orifice)
XX	Use "XX" for custom ranges (Ex: 0 ... 550 psi) Please inform range below part number

Over Pressure (psi)

2.25
2.25
22.5
45
2.25
3
3.75
7.5
15
22.5
30
37.5
45
75
150
225
300
375
450
600
750
1500
2250
3000
4500
7500
11250

Burst Pressure (psi)

30
30
45
90
7.5
10
12.5
25
30
45
60
75
90
150
300
450
600
750
900
1200
1500
3000
4500
6000
9000
15000
15000

Build Your Part Number

Series P1

Example: P1GA115A6A-PSE10

Process Connection – select one; see diagrams page 4

5A	1/8" NPT male
5C	1/4" NPT male
5G	7/16"-20UNF male, SAE 4
5H	7/16"-20UNF female, SAE J512 with valve opener
5L	9/16"-18UNF male, SAE6
5N	G1/4" male

Electrical Connection – select one; see diagrams page 5 for dimensions & pin-out

6A	DIN 43650-C micro-mini (9.4mm)
6C	Male electrical connector M12x1, 4-pole
6E	Deutsch 2-pole, DT04-2P
6F	Deutsch 3-pole, DT04-3P
6G	Deutsch 4-pole, DT04-4P
6H	Packard Metri-Pack
6K	0.5 Meter PVC shielded cable with flying leads
6L	1 Meter PVC shielded cable with flying leads
6M	2 Meter PVC shielded cable with flying leads
6N	3 Meter PVC shielded cable with flying leads
6P	5 Meter PVC shielded cable with flying leads
6Q	7 Meter PVC shielded cable with flying leads
6R	10 Meter PVC shielded cable with flying leads

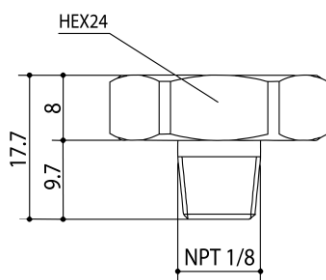
Mating Electrical Connection Assembly – optional; will be quoted as a separate line item

Part#	
PSE1	M12x1, 5 pole – straight with cable gland (field wireable)
PSE2	M12x1, 5 pole - straight with 1 meter PUR cable
PSE3	M12x1, 5 pole - straight with 3 meter PUR cable
PSE9	DIN 43650-C micro-mini (9.4mm) with cable gland (field wireable)
PSE10	DIN 43650-C micro-mini (9.4mm) with 1 meter PUR cable
PSE11	DIN 43650-C micro-mini (9.4mm) with 3 meter PUR cable
PSE20	Packard Metri-Pack with 1 meter PUR cable
PSE21	Packard Metri-Pack with 3 meter PUR cable
PSE22	Deutsch DTO4-2P with 1 meter PUR cable
PSE23	Deutsch DTO4-2P with 3 meter PUR cable
PSE24	Deutsch DTO4-3P with 1 meter PUR cable
PSE25	Deutsch DTO4-3P with 3 meter PUR cable
PSE26	Deutsch DTO4-4P with 1 meter PUR cable
PSE27	Deutsch DTO4-4P with 3 meter PUR cable

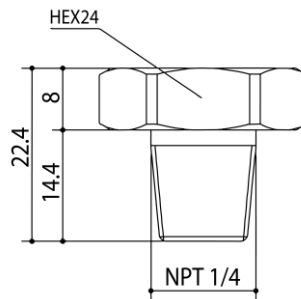
Technical Parameters

Technical Parameters		
Accuracy	At 77°F (+/-9°F)	± 0.5% FS typical
	Hysteresis at 77°F	± 0.1% FS typical
	Repeatability	± 0.1% FS typical
	Response time	≤ 90ms (up to 90% FS)
	Temperature Drift (<5 psig)	± 2% FS typical (0...140°F)
	Temperature Drift (>5 psig)	± 1.5% FS typical (-4...185°F)
Environmental	Media temperature	-20...+221°F
	Ambient temperature	-4...+185°F
	Storage temperature	-40...+257°F
	Protection	IP65
	Vibration	Sine curve: 20g, 25Hz-2kHz, IEC 60068-2-6 Random: 7.5 grms, 5Hz-1kHz; IEC 60008-2-6
	Shock	200g / 1ms: IEC 60068-2-27 Free fall: 1m, IEC 60068-2-32
EMC	Insulation resistance	≥100M ohm / 500VDC (200M ohm / 250VDC)
	Immunity	IEC 61000-6-2 Radiation: IEC 61000-6-3
Mechanical	Wetted parts (sensor)	316L
	Wetted parts (process connection)	316L
	Housing	316L
	Weight	120 – 150g

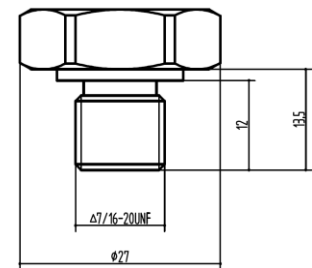
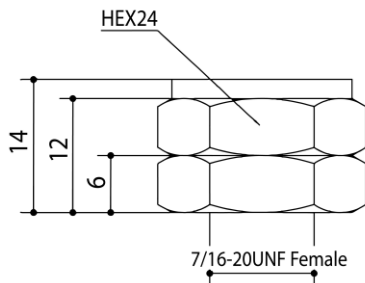
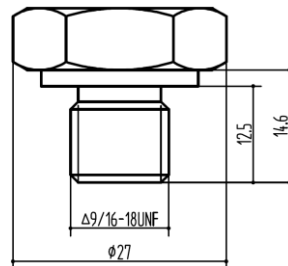
Process Connection Dimensions



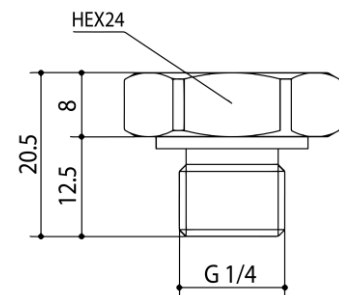
1/8" NPT male



1/4" NPT male

7/16"-20UNF-2A male
SAE J1926-27/16"-20UNF female
SAE J512 with valve opener

9/16"-18UNF



G1/4" male

Electrical Connection Dimensions & Pin-Out

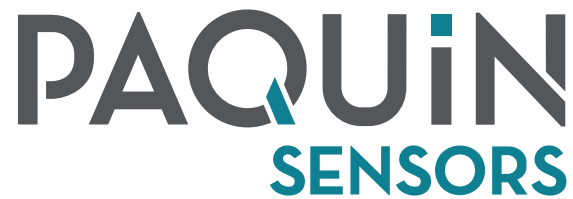
Protection / Electrical Connection

Connector Code	DIN 43650-C micro-mini (9.4mm)	Male electrical connector M12x1, 4-pole	Packard Metri-Pack	PVC shielded cable with flying leads
Dimensions	6A 	6C 	6H 	6K...R
Protection	IP65	IP65	IP67	IP68
Connection Mode Current (2 Wires)	Pin 1: Supply+ Pin 2: Current Output	Pin 1: Supply+ Pin 2: Current Output	Pin 1: Supply+ Pin 2: Current Output	Red: Supply+ Green: Current Output
Connection Mode Voltage (3 Wires)	Pin 1: Supply+ Pin 2: Ground Pin 3: Voltage Output	Pin 1: Supply+ Pin 2: Voltage Output Pin 3: Ground	Pin 1: Supply+ Pin 2: Ground Pin 3: Voltage Output	Red: Supply+ Green: Ground Yellow: Voltage Output

Protection / Electrical Connection

Connector Code	DT04, 2 pole	DT04, 3 pole	DT04, 4 pole
Dimensions	6E 	6F 	6G
Protection	IP67	IP67	IP67
Connection Mode Current (2 Wires)	Pin 1: Supply V+ Pin 2: Signal Output (mA)	Pin A: V+ Pin B: I out	Pin 1: I out Pin 2: V+
Connection Mode Voltage (3 Wires)	N/A	Pin A: V+ Pin B: Ground Pin C: V out	Pin 1: Ground Pin 2: V+ Pin 4: V out

Additional Information



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!