

Pureron High Performance Pressure Transducers

PC-304_{SERIES}



- Wide Pressure Range:** Ideal for a wide range of applications from 0~25 to 3,000 PSI range and also absolute pressure version available in, 0-15, 25 and 50 PSI(A) ranges.
- High Accuracy:** $\pm 0.25\%$ span from best fit straight line, including the effects of non-linearity, hysteresis and repeatability.
- Wide Temperature Range:** Operating temperature of -65 to 200°F and compensated temperature from 30 to 160°F.
- High Corrosion Resistance:** Electropolished 316L is used for the material in contact with gases for high resistance of corrosion.
- PC-304 Series** is for conventional 4-20mA output with accuracies to $\pm 0.25\%$.



PC-304 SERIES

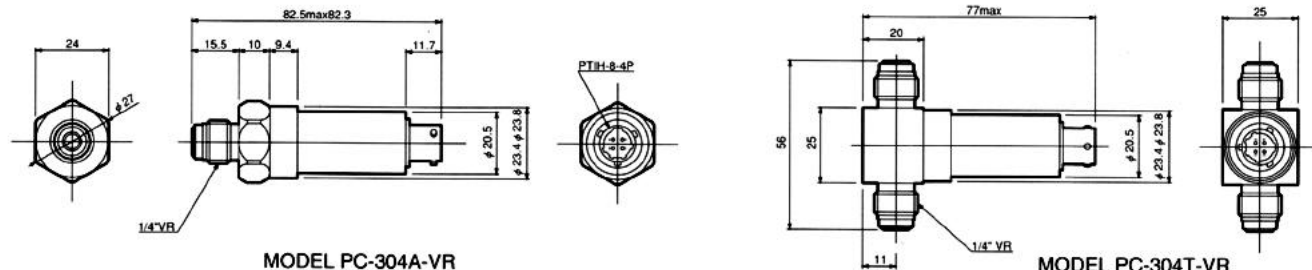
Pureron Pressure Transducer PC-304 Series is Specially Designed for the Semiconductor Industry with Highest Accuracy and Highest Reliability
Allowing Measurement of Vacuum Referenced to either Absolute or Atmospheric Pressure

SPECIFICATIONS

Gauge/Absolute		Gauge Pressure					Absolute Pressure		
		25G	50G	100G	200G	3000G	15A	25A	50A
Pressure Range	kg/cm2 (Note1)	0~1.76 (-1.03~-1.76)	0~3.52 (-1.03~-3.52)	0~7.03 (-1.03~-7.03)	0~14.06 (-1.03~14.06)	0~210.9 (-1.03~-210.9)	—		
	torr	—					0~776	0~1293	0~2586
Accuracy (%Full Scale)		0.5%		0.25%		0.5%			
Material in Contact With Media		SUS316L							
Burst Pressure		Full Scale×5			Full Scale×2	Full Scale×5			
Overload Pressure		Full Scale×2							
Excitation Voltage		12 to 36Vdc							
Output		4-20mA							
Span		16mA±0.16mA							
Null Offset		4mA±0.4mA at atmospheric press., also at vacuum at user's option				4mA±0.4mA at vacuum			
Operating Temperature		-40℃ ~ 85℃ (-40°F ~ 185°F)							
Compensated Temperature		0℃ to 70℃ (+32°F ~ 158°F)							
Thermal Effect		0.02%/℃							
Connection & Fitting Type		VCR, Swagelock, MCG, Super JSK, UJR							
Leak Rate		1.5×10 ⁻¹⁰ torr 1/sec							

Note 1: Pressure range in () is at user's option. Note 2: Connector is "BENDIX R".

DIMENSIONS



HOW TO ORDER

Mounting Configuration

A: Straight threaded port
T: T-angle threaded port

Fitting Configuration

VR: VCR compatible
SW: Swagelock compatible
MG: MCG compatible
SJK: Super JSK Compatible

Thread Configuration

M: Male threads
F: Female threads

MODEL PC-304 A - VR - 3000G - M - C

Pressure Range

Gauge Pressure:

25G: -14.7~25PSIG(-1~1.75kgf/cm²)

50G: -14.7~50PSIG(-1~3.51kgf/cm²)

100G: -14.7~100PSIG(-1~+14.06kgf/cm²)

2000G: -14.7~2000PSIG(-1~+140.6kgf/cm²)

3000G: -14.7~3000PSIG(-1~+210.9kgf/cm²)

Absolute Pressure:

15A: 0~15PSIA(0~776torr)

25A: 0~25PSIA(0~1293torr)

50A: 0~50PSIA(0~2586torr)

Connection to Display

C: With electrical connector

Blank: Wire cable only

※Standard wire cable length is 19.69"
(1/2 meters). Longer cables are available.

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Specifications subject to change without notice.