

Pureron Chemical Pressure Transducers

PC-500_{SERIES}



- High Corrosion Resistance:** As materials in contact with media, housing is made by teflon (PTFE), and diaphragm is treated by teflon coating. As coating method, after TEF is applied on the diaphragm as base-coating, PFA is applied in triple. This coating provides excellent protection from high corrosive media.
- Wide Pressure Range:** From 25 PSIG(-0.4 to 1.75kgs.) to 200PSIG(-1 to 14kgs.) ranges.
- High Accuracy And High Reliability:** ± 0.25 span from best fit straight line including effects of non-linearity, hysteresis and repeatability.
- Wide Temperature Range:** Operating temperature from -57°C to +93°C. Compensated temperature from -1°C to +71°C.



PC-500

S E R I E S

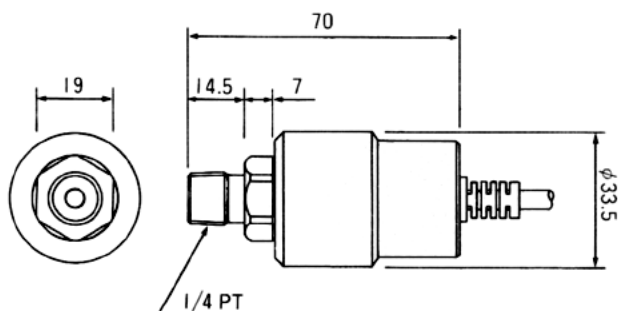
Pureron Chemical Pressure Transducer PC-500 Series is a high accurate (0.25% in full scale) pressure transducer for chemicals. They are suitable for corrosive media such as pure water, steam, acids/ alkalines, solvents, chemicals at the semiconductor industry, pharmaceutical industry and food industry.

As the diaphragm of the sensor in contact with media is treated by teflon coating of 0.1 mm thickness and the housing in contact with media is made by teflon (PTFE), they can be used with a wide variety of corrosive media.

SPECIFICATIONS

Pressure Range (kPa)	15 psiG	50 psiG	100 psiG
Accuracy	1% FS	0.5 FS	
Materials in contact with Media	PTFE		
Burst Pressure	Full Scale x 5	Full Scale x 2	
Overload Presure	Full Scale x 2		
Exitation Voltage	DC 24V (DC 12 ~ 30V)		
Operating Temperature	0 ~ 50 °C		
Fitting	R 1/4" etc.		
Output Signal	PC-501 : 0 ~ 100/50mV , PC-504 : 4 ~ 20mA , PC-505 : 0 ~ 5V , PC-510 : 0 ~ 10V ,		
Type No. Variation	Type # PC-501A ~ PC-510A is used for normal liquid. Type # PC-501AH ~ PC-510AH is developed for corroded liquid.		

DIMENSIONS



HOW TO ORDER

Mounting Configuration

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

Fitting Configuration

PT : PT

MODEL PC-501 A - PT - 50G - C

Pressure Range

Gauge Pressure :

50G : -14.7~50PSIG (-1~+3.51kgf/cm²)

Absolute Pressure :

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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