



## Model PSC110 Semi Finished Pressure Transducer Front End for Heavy Industry and General Purpose Industrial Applications

PSC110 Pressure Transducer Front End was developed for all types of industrial applications. The design is based on high temperature, inorganically bonded, media isolated, piezoresistive technology that offers reliable and accurate measurements under harsh environmental conditions. The robust construction of the PSC110 provides stable operation when subjected to shock and vibration. Suitable for use in transducers for OEM machinery, process control, automation, plastic and alloy injection molding machines, hydraulic pumps, etc.

State of the art design machined from a solid piece of stainless steel provides a leak-proof, all metal sealed system. There are no O-rings, welds or organics exposed to the pressure media.

PSC110 is ideally suited as an OEM front end part for customization according to your specific application.



- Gauge Pressures
- Robust construction to stand high vibrations
- Impedance: >5000 ohms
- Wetted Parts: 17-4PH SS (other material available)
- Process Fitting: see column Z

### Sample Applications:

- Process Automation & Control
- Plastic and Alloy injection machines
- Test and Measurement Equipment
- Factory Automation
- Energy Management
- Heavy industry

PSC110 Ordering Model NO.: PSC110-X-Y-Z-X			
X	Y	Z	X
Output Type	Pressure Range	Port Type	Special configuration
A = mV	3 = 100 psi 4 = 250 psi 5 = 500 psi 6 = 1000 psi 7 = 2500 psi 8 = 5000 psi 9 = 10000 psi X = Special	1 = 1/8-27 NPT 2 = 1/4-18 NPT 3 = DIN3852-A-G1/4 4 = DIN3852-E-G1/4 5 = DIN3852-A-M10*1.0 6 = DIN3852-A-M12*1.5 7 = 7/16-20 UNF X = Special	Consult factory

Performance (specified @ 25 C)	Min	Typical	Max	Unit	Remark
Input voltage(stabilivolt)		5		VDC	
Zero Output		0		mV	
Full range output		160		mV	
Input current		1.2		mA	
Stability(1year)	-0.25		+0.25	% OF F.S	
Zero offset	-5		+5	mV	
Pressure cycle	10 <sup>7</sup>			F.S Cycle	
Overload Pressure	2X				
Burst Pressure	3X				
Operating Temperature Range	-40		+85	C	
Insulation resistance		50M		Ω	



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Reliability	
Stability	<+/-0.25% full range per year
Pressure Cycles	4 million full scale cycles



### Structure reference (Unit: Inch[mm])

