

# PSG 110 - MINIATURE PRESSURE TRANSDUCER

This subminiature pressure transducer is designed to accurately measure pressure ranges from 15 psi to 20,000 psi. Manufactured with a stainless steel diaphragm, the one piece design allows for a thin diaphragm but heavy sidewalls. This enables the transducer to be used in rugged environments while still being able to measure in low ranges. These transducers have a small electrical zero balance circuit board which is in the lead wire (approx. 1" x .087" thick).

- **HIGH FREQUENCY**
- **FLUSH DIAPHRAGM**
- **SMALL SIZE AND RUGGED**
- **150 TO 20,000 PSI**

## SPECIFICATIONS

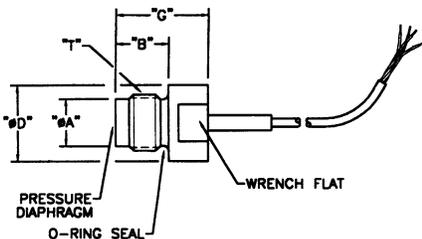
PRESSURE RANGES:	150 psi to 15,000 psi
LINEARITY/HYSTERESIS:	150 psi to 15,000 psi - 1.0% F.S.
REPEATABILITY:	150 psi to 15,000 psi - ±0.1% F.S.
MATERIAL:	17-4 PH Stainless
TEMPERATURE RANGE:	60° to 160°F
OUTPUT:	150 psi to 20,000 psi - 2 mv/v
BRIDGE RESISTANCE:	350 ohm
EXCITATION:	5 Vdc
SAFE OVERLOAD:	50% Over Capacity
CABLE:	4 Twisted Leads - 5 Ft



## AVAILABLE RANGES

		T Thread	A" Dia	D" Dia	B"	G"	Dia
PSG 110	150; <b>200</b> ; 300 psi	3/8-24UNF	.310	.50	.45	.69	Welded
	<b>500</b> ; 750; <b>1000</b> ; 1500; <b>2000</b> ; <b>3000</b> psi	3/8-24UNF	.310	.50	.45	.69	Welded
	<b>5000</b> ; 7500; <b>10,000</b> ; 15,000 psi	3/8-24UNF	.310	.50	.45	.69	Welded
PSG 111	150 - 15,000 psi	7/16-24NF	.375	.56	.50	.75	Welded

\*Stocked ranges are in bold type. The 3/8-24 Threaded Transducer is stocked only. 7/16-20UNF available on all models



"T"	"A"	"B"	"D" $\pm .002$	O-Ring	Max. Torque (For 17-4 PH only)
3/8 - 24 UNF	.47"	.30"	.445"	#11	30 In-lbs.
7/16 - 20 UNF	.54"	.36"	.504"	#12	50 In-lbs.

