

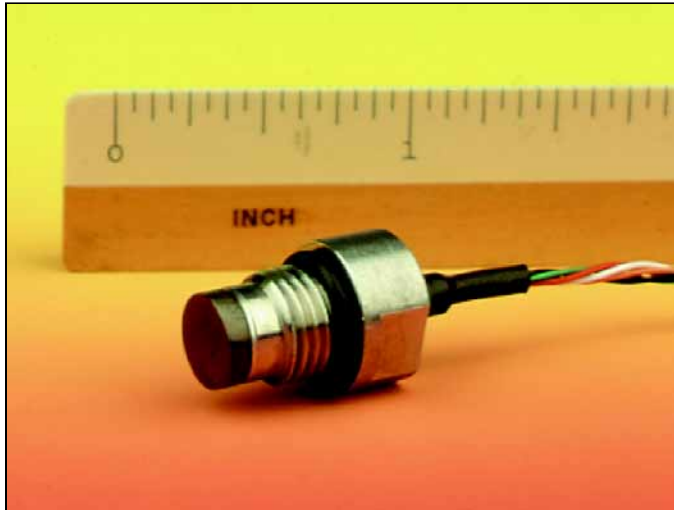
PSG 110 - MINIATURE PRESSURE TRANSDUCER

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).

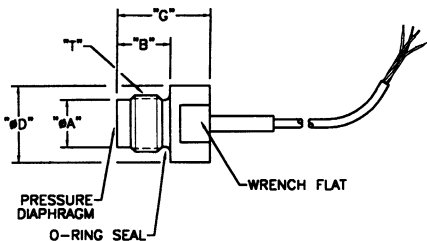
- HIGH FREQUENCY
- FLUSH DIAPHRAGM
- SMALL SIZE AND RUGGED
- 150 TO 20,000 PSI

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; 200 ; 300 psi	3/8-24UNF	.310	.50	.45	.69	Welded
	500 ; 750; 1000 ; 1500; 2000 ; 3000 psi	3/8-24UNF	.310	.50	.45	.69	Welded
	5000 ; 7500; 10,000 ; 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" ^{+0.002} / _{-0.002}	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.

