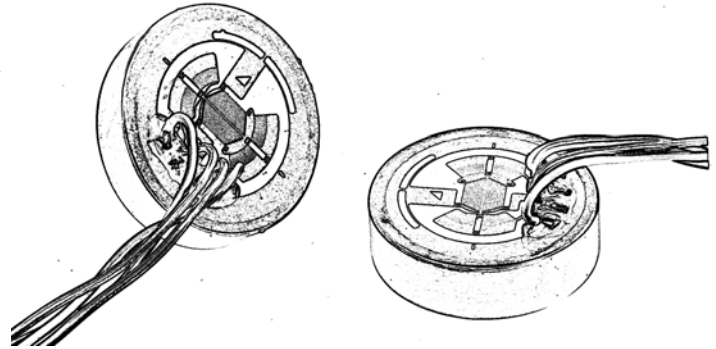


# Model PT10

## Pressure Diaphragm

- Pressure ranges of 100 to 10,000 psi
- Compact size - 7/8" diameter
- Very accurate with  $\pm 0.25\%$  nonlinearity and hysteresis
- 300% burst pressure limit
- 200% safe overrange pressure limit
- Stainless steel construction (500 to 10,000 psi)
- Bonded foil strain gauge design



## specifications

Pressure Range (psi)	100	250	500	1000	3000	5000	10,000
Excitation Output (mV/V)	10 Recommended, 12 Maximum						
Rated Output (mV/V)	2.0 $\pm$ 0.4						
Zero Balance (%FS)	0.04 mV/V						
Bridge Configuration	Full Bridge						
Resistance: Input ( $\Omega$ )	350 $\pm$ 50						
Output ( $\Omega$ )	350 $\pm$ 50						
Insulation (meg- $\Omega$ )	1000 Min. @ 50VDC						
Nonlinearity (%FS, best fit st. line method)	$\pm 0.6$		$\pm 0.5$			$\pm 0.25$	
Hysteresis (%FS)	$\pm 0.25$						
Nonrepeatability (%FS)	0.1						
Creep (%FS/5 min/-40°F to 150°F)	$\pm 0.6$				$\pm 0.2$		
Temp. Coef: Output (%FS/°F)	0.037 $\pm$ 0.002		0.017 $\pm$ 0.004				
Zero (%FS/°F)	$\pm 0.02$						
Temp. Range: Storage (°F)	-60 to 200						
Operating (°F)	-40 to 150						
Wetted Material	2024-T351 Aluminum			17-4PH Stainless Steel			
Safe Overage Pressure (% range)	200						
Burst Pressure (% range)	300 Minimum						
Fatigue Life	>1,000,000 Cycles Unidirectional						
Calculated Resonance Frequency	>25kHz at Atmospheric Pressure in Air						
Reference Temperature (°F)	70						

NOTE: Specifications subject to change. Request certified drawings prior to designing mountings or fixtures.



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