

## Universal Pressure Transducer ( Gage or Absolute)

Sensorwerks



### Model UPT

- A universal pressure transducer that is configurable to your requirements.
- Select the Accuracy that you need along with the Range, Temperature & Output,
- Electrical Connection and Pressure Connection for your requirements.
- Ranges are available from 0-25 psi up to 0-10.000 psi.
- Calibration Units of PSI, Inches of Hg, Bar, mBar, kPa,
- Inches H2O in Gage or Absolute Types.

### Specifications

Pressure Ranges	0-25 psi up to 0-10.000 psi.
Accuracy	+/- 0.5% FS or better (Specify)
Sensitivity /Output	3 mV/V (+/- 2%).
Resolution	Infinite
Overload Pressure	To 150% of Calibrated Range
Temperature, Operating	-100°F to 250°F
Temperature, Compensated	60°F to 160°F
Temperature Effect, Zero	0.0075% FS/ °F
Temperature Effect, Span	0.01% Reading/ °F
Strain Gages Type	Bonded foil
Excitation(Calibrated)	10 VDC
Excitation(acceptable)	12 VDC or AC Maximum
Bridge Insulation Resistance	5000 Ohm
Bridge Resistance	350 Ohms
Shunt Calibrated Data	Included
Wiring Code with Millivolt output	Red/Black +/- Excitation White/Green +/- Signal
Electrical Termination	Integral 5 ft, Four Conductor Shielded Cable with Polyurethane Jacket Optional : Welded-on PTIH-10-6P (6 Pins) Quick Disconnect Connector (Hermetic)

Media	
Burst Pressure	300 % of Calibrated Range up to 5000 psi Ranges 200 % of Calibrated Range Greater than 5000 psi
Pressure Port / Pressure Connections (Specify)	1/4-18NPT Inside Thread, Standard range up to 1500 psi 1/4-18NPT Outside Thread, Standard above 1500 psi 7/16-20 UNF Male, MS33656-E4 (37Degree flare) 7/16-20 UNF Female, MS33649-04 G 1/2 Male (British Pipe Thread) Autoclave F250C,9/16-18 Thread Other (Specify)
Material	17-4 PH SS
Weight	10 ounces
Options	Specify Additional Cable length
High Level Outputs available	0-5 VDV, 0-10 VDC, and 4-20 mA Two Wire; all with zero and span adjustments.
High Lever Output increases length	1.2 inches.
Gage Pressure Transducers with ranges higher than 200 psi are sealed.	