TABER® INDUSTRIES *Engineered for Quality and Reliability*

AS9100 • ISO9001 Genuine TABER™ CERTIFIED

***DIFFERENTIAL PRESSURE TRANSDUCER** (rated line pressure 1200 PSI (83 Bar))*

2212 / 2412 Series

Taber's 2212 / 2412 series differential pressure transducer incorporates a reliable, wet-wet, stainless steel construction to measure static differential pressures. Engineered for line pressures up to 1200 PSI (83 Bar), the 2212 / 2412 are designed to handle high differential pressure overloads. The bonded foil strain gage diaphragm design provides stable signal fidelity and is compatible with a wide variety of gas and liquid media. Aerospace grade components provide high accuracy, and removable pressure caps allow for easy inspection and cleaning of the pressure media cavity.

- Millivolt (mV/V), Voltage (VDC) or Current (mA) output signal
- Output short circuit protected
- All stainless steel construction – case and wetted cavity
- True differential pressure measurement
- Removable pressure caps
- Oil filled, no cryogenic temperatures
- Unidirectional and bidirectional operation
- Mechanical stops prevent damage from high differential pressure overloads

AT TABER, WE CONSISTENTLY OUTPERFORM THE INDUSTRY STANDARDS TO GIVE YOU WHAT YOU REALLY NEED–PRESSURE TRANSDUCERS SPECIFICALLY ENGINEERED FOR THE MOST EXTREME ENVIRONMENTS.

Last Revision 10/2021

716.694.4000 **TOLL FREE** *800.333.5300*
TaberTransducer.com

MADE IN USA

455 Bryant Street,
North Tonawanda, NY 14120

The Taber Standard

Our bonded foil strain gage pressure transducers are manufactured to the highest standard of quality and engineered to meet your custom specifications.

PERFORMANCE SPECIFICATIONS

	2212 Series	2412 Series	
Output Signal	3 mv/V	0-5 VDC	4-20 mA
Full Scale Output (FSO)	30 mV with 10 V input	5 VDC	16 mA
Static Error Band	±0.4% FSO using Best Fit Straight Line (BFSL) and Root Sum Squared (RSS) Method		
Total Error Band	±2.1% FSO over entire Compensated Temperature Range (CTR)		
Differential Calibrated Pressure Range*	5 to 1000 PSI	0.9 to 1000 PSI	
Differential Overload Pressure	±1,200 PSI / ±83 Bar		
Rated Line Pressure	1,200 PSI / 83 Bar		
Minimum Burst Pressure	› 3,000 PSI / 207 Bar		

OPTIONS

- *Improved Static Error Band and Total Error Band***
- *Outputs up to 10 VDC*

*Contact Taber for discrete pressure ranges.
**Dependent upon parameters such as pressure, temperature, and various hardware elements.

ENVIRONMENTAL SPECIFICATIONS

Compensated Temperature Range (CTR) *Temperature range in which the transducer will operate within the total error band.*	-23° C to +71° C (-10° F to +160° F)
Operating Temperature *Temperature range in which the transducer will operate without degradation of performance once it returns to the CTR.*	-40° C to +85° C (-40° F to +185° F)

OPTIONS

- *Alternative compensated temperature range (CTR) requirements. Contact Taber Sales if Temperature Range is below -65° F.*

ELECTRICAL SPECIFICATIONS

	3 mv/V	0-5 VDC	4-20 mA
Strain Gage Type	Resistive Bonded Foil		
Insulation Resistance	› 10 Gohm @ 50 VDC		
Electrical Receptacle	D38999/27YA35PN per MIL-DTL-38999		
Mating Connector (not included)	D38999/26KA35SN or equivalent		
Excitation Voltage	10 VDC	20-36 VDC	8-36 VDC

OPTIONS

- *Range of resistance values*
- *Optional Excitation Voltages*
- *Wide selection of electrical receptacles including MIL-DTL-26482 and MIL-DTL-5015*

MECHANICAL SPECIFICATIONS

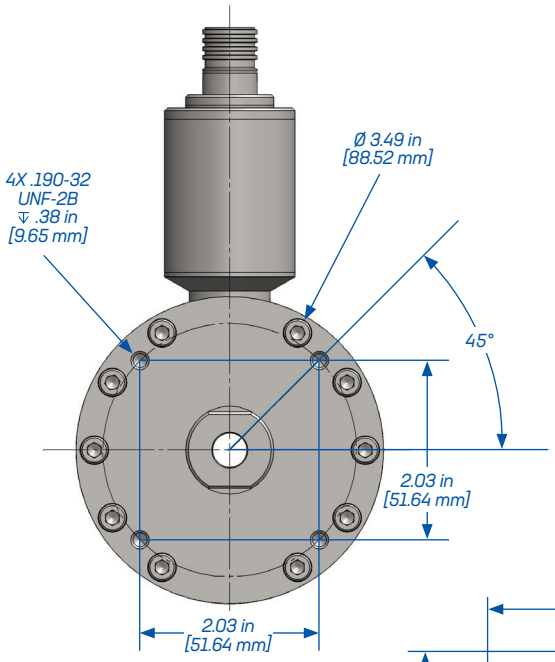
Diaphragm Material	347 SS
Weight	Typical 2.95 Kg
Case Material	316L
Pressure Port	AS5202-04 (MS33649-4) .4375-20 UNJF-3B female thread

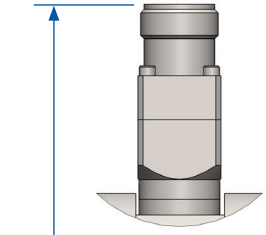
OPTIONS

- *Variety of pressure ports based on fluid compatibility*
- *Alternative construction materials*

OPTIONAL FEATURES

- Alternative pressure fittings.
- Internal Shunt.
- Alternative electrical receptacles.
- EMI/EMC filtering.
- Reference prints available for download upon request.

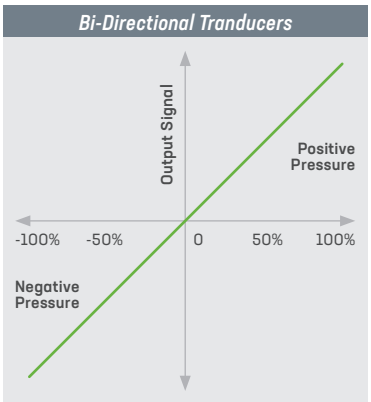


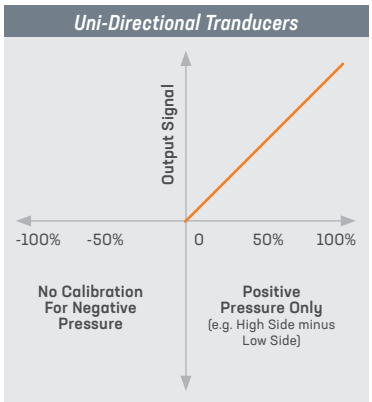


OPTIONAL RECEPTACLE MS3102-14S-6P PER MIL-DTL-5015 SHOWN

2212 SERIES REFERENCE DIMENSIONS

2412 SERIES REFERENCE DIMENSIONS





If your pressure transducer requires a unique electrical connector, material, pressure range, temperature compensation, calibration, accuracy, cable length, or any other special requirement, please ***contact a Taber Sales Engineer at 1-800-333-5300 or email sales@tabertransducer.com.***