



BetaPort-P Pressure Module Specifications (all % of Full Scale)

Parameter/Range	Positive ¹ Accuracy	Vacuum Accuracy	Over-Pressure	Notes
Isolated Gauge (PSIG)²				
0 to 15 (0 to 1 Bar)	±0.025%		300 %	
0 to 30 (0 to 2 Bar)	±0.025%		300 %	
0 to 500 (0 to 35 Bar)	±0.025%		200 %	
0 to 1000 (0 to 70 Bar)	±0.025%		200 %	
0 to 1500 (0 to 100 Bar)	±0.035%		200 %	
0 to 3000 (0 to 200 Bar)	±0.05%		200 %	
0 to 5000 (0 to 340 Bar)	±0.05%		200 %	
0 to 10000 (0 to 700 Bar)	±0.1%		120 %	
Isolated Absolute (PSIA)²				
0 to 15 (0 to 1 Bar)	±0.04%		300 %	
0 to 30 (0 to 2 Bar)	±0.025%		300 %	
0 to 50 (0 to 3.5 Bar)	±0.03%		300 %	
0 to 100 (0 to 7 Bar)	±0.025%		300 %	
0 to 300 (0 to 20 Bar)	±0.025%		200 %	
Non Isolated Compound (PSIG)²				
-0.4 to 0.4 (-20 to 20mBar)	±0.1%	±0.15%	400 %	
-1 to 1 (-70 to 70 mBar)	±0.05%	±0.1%	400 %	
-5 to 5 (-350 to 350 mBar)	±0.075%	±0.1%	400 %	
-7.2 to 7.2 (-500 to 500 mBar)	±0.07%	±0.1%	300 %	
-10 to 10 (-700 to 700 mBar)	±0.03%	±0.05%	300 %	
-15 to 15 (-1 to 1 Bar)	±0.04%	±0.04%	300 %	
-15 to 30 (-1 to 2 Bar)	±0.025%	±0.025%	300 %	
Isolated Compound (PSIG)²				
-12 to 50 (-0.8 to 3.5 Bar)	±0.03%	±0.03%	300 %	
-12 to 100 (-0.8 to 7 Bar)	±0.025%	±0.025%	300 %	
-12 to 150 (-0.8 to 10 Bar)	±0.03%	±0.03%	200 %	
-12 to 300 (-0.8 to 20 Bar)	±0.025%	±0.025%	200 %	
Differential (PSID)²				
0 to 5 (0 to 350 mBar)	±0.075%		400 %	3
0 to 30 (0 to 2 Bar)	±0.025%		300 %	3
0 to 50 (0 to 3.5 Bar)	±0.03%		300 %	3

Notes:

- Accuracy is percent of full scale range, over the 15 °C to 35 °C temperature range. Includes the pressure/temperature hysteresis in psi. The accuracy statement shown in the specification table is the base accuracy from 15 °C to 35 °C. Outside this temperature range, add an additional ±0.0015% of FS per °C. (For the 0.3 and 1psi ranges add an additional ±0.005% of FS per °C) To calculate the allowed deviation of a particular BetaPort-P Pressure Module, use the following formula: Deviation = ±%FS , ±T/P H, ±tempco Where ±T/P H = thermal/pressure hysteresis in psi where applicable, And ±tempco = ±0.0015% FS/°C when the temperature is outside the 15-35 °C temperature range
- The Gauge, Vacuum, and Compound type range measurements are relative to atmospheric pressure. The Absolute type is a measurement made relative to absolute zero (perfect vacuum). The Differential type is a measurement made relative to the pressure applied to the low-pressure port of the module.
- The maximum static pressure is 200 psig (14 bar).