

## Selection Guide

Purpose	Pressure Range	Accuracy (Full Scale, Typ.)	Long Term Drift (Full Scale/Year)	Thermal Error (Full Scale Typ.)	Operating Temperatures*	Ratiometric	Millivolt	Voltage Output	Current Output	Gauge	Absolute	Vacuum	Diff. Pressure	Submersible	Sanitary	Semiconductor	Sensor Technology Type	Gems Series Number	
General/ OEM	Vacuum to 6000 psig (-1 to 414 bar)	0.25% (0.15% optional)	0.20%	0.015%	-22°F to +260°F (-40°C to +125°C)	•	•	•	•	•	•	•	•				Strain Gauge (CVD)	2200/2600	
		0.50%	0.20%	0.020%					•									Strain Gauge (CVD)	1200/1600
	Vacuum to 10,000 psig (-1 to 690 bar)	0.25%	0.50%	±0.035%	-40°F to +185°F (-40°C to +85°C)			•	•	•		•					Capacitance	809	
	2 to 10,000 psig (0 to 690 bar)	<25psi: 0.25% >25psi: 0.13%	0.50%	<25psi: 0.035% >25psi: 0.025%	-40°F to +260°F (-40°C to +125°C)			•	•	•								Capacitance	856
	10 in. WC to 150 in. WC (25 to 350 mbar)	0.20%	0.25%	0.028%	-40°F to +212°F (-40°C to +100°C)			•	•	•					•			Capacitance	5000
	300 to 3,000 psig (16 to 2,200 bar)	0.25%	0.10%	0.014%	-40°F to +300°F (-40°C to +150°C)	•	•	•	•	•								Strain Gauge (Sputtered)	1000
High Accuracy	500 to 10,000 psig (0 to 690 bar)	0.15%	0.06%	0.010%	-67°F to +248°F (-55°C to +120°C)			•	•	•							Strain Gauge (Sputtered)	3000	
	2 to 6,000 psi (0.5 to 400 bar)	0.15%	0.15%	0.010%	-22°F to +212°F (-30°C to +100°C)				•	•	•				•		Strain Gauge (CVD)	6700	
	2 to 10,000 psig (0.2 to 690 bar)	0.10%	0.10%	0.008%	-22°F to +212°F (-30°C to +100°C)				•	•	•				•		Strain Gauge (Sputtered)	4700	
	15 to 10,000 psig (1 to 690 bar)	0.08%	0.06%	0.006%	-65°F to +275°F (-54°C to +135°C)	•				•	•	•			•		Strain Gauge (Sputtered)	4000	
High Temperature & Accuracy	15 to 6,000 psig (1 to 400 bar)	0.10%	0.06%	0.006%	-65°F to +450°F (-54°C to +230°C)	•				•	•						Strain Gauge (Sputtered)	4000 High Temp	
Specialty	10 to 1,000 Torr (10 to 1,000 mbar)	0.50%	0.5%	0.025%	-4°F to +176°F (-20°C to +80°C)			•			•					•	Capacitance	820	
	600 to 1,100 hPa/mb 800 to 1,100 hPa/mb 0 to 20 psia	0.25%	0.25%/6 mos.	0.033%	0°F to +175°F (-18°C to +80°C)				•		•		•			•	Capacitance	876	
	0.25 to 100 in. WC (Unidirectional) 0.1 to 50 in. WC (Bidirectional)	1.00%	0.50%	0.066%	0°F to +150°F (-18°C to +65°C)			•	•	•				•			•	Capacitance	865
	1 to 100 psid (0.0 to 7 bar)	0.25%	0.50%	0.040%	0°F to +175°F (-18°C to +80°C)			•	•	•				•				Capacitance	830
	Vacuum to 1,000 (-1 to 69 bar)	0.20%	0.50%	0.040%	-40°F to +260°F (-40°C to +125°C)				•	•		•				•		Capacitance	890
	5 to 260 psig (0.35 to 18 bar)	0.25%	0.20%	0.012%	-40°F to +180°F (-40°C to +80°C)	•	•	•	•						•			Strain Gauge (MMS)	2400

\* Specific temperature capability depends on electrical connection selected.

PRESSURE TRANSDUCERS