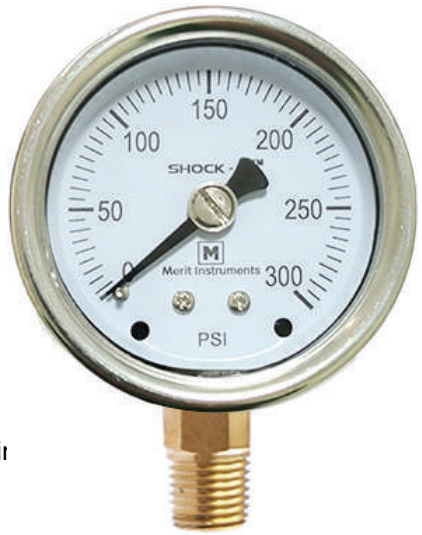
Merit Instruments

PBX SERIES SHOCK-X™ VIBRATION FREE PRESSURE GAUGE

Description & Features:

- Vibration-free movement - with NO GLYCERIN filling required!
- Suitable for applications where vibration is present and using a liquid filled gauge is not recommended.
- No fill Shock-X™ movement prevents pointer flutter & movement gear damage in applications with vibration.
- Other options available upon request.
- Lens: Polycarbonate (PC) standard. Laminated safety glass available.
- 7-year warranty*



Specifications:

- Dial Sizes: 2.5” and 4” dial sizes standard, other sizes available upon request.
- Dial Material: Aluminum with black markings (single scale) or black and red markii (dual scale).
- Case: 304 Stainless Steel standard. Optional 316 Stainless Steel case and ring available.
- Tube and Socket: Brass bourdon tube and socket.
- Lens: Polycarbonate (PC). Laminated safety glass available upon request.
- Connection Size: 1/2" NPT available on all 4" and larger dial sizes" to "1/2" NPT available on 4” and larger dial sizes". BSP, BSPT and other optional threads available.
- Enclosure Rating: IP66/NEMA 4X.
- Accuracy: +/-1.6% FSA for 2.5” dial, +/-1% FSA for 4” and larger dial sizes.
- Made to ASME B40.100 standards
- Recommended Maximum Operating Pressure: 60% of full-scale range.
- Operating Process Temperature: -4/150F, -20/65 C.
- Ambient Temperature: -40/250 F, -40/120 C.
- Ranges: Available in single scale or dual scales as noted below.
- Customization: Available upon request.

*Refer to Merit Instruments warranty page for full warranty details.

WARNING

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm.

For more information, go to www.P65Warnings.ca.gov

PBX SERIES SHOCK-X™ VIBRATION FREE PRESSURE GAUGE

2.5" Brass 1/4" NPT Bottom Shock-X movement

P = Pressure Gauge
B = Brass Internals
X = Shock-X Movement
A = 2.5" Dial
2 = 1/4" NPT bottom

100 Codes - psi only
200 Codes - psi/Bar
300 Codes - psi/kPa

PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
Vacuum	PBXA2100	Vacuum/Bar	PBXA2200	Vacuum	PBXA2300
0-15	PBXA2101	0-15 psi/Bar	PBXA2201	0-15 psi/kPa	PBXA2301
0-30	PBXA2102	0-30 psi/Bar	PBXA2202	0-30 psi/kPa	PBXA2302
0-60	PBXA2103	0-60 psi/Bar	PBXA2203	0-60 psi/kPa	PBXA2303
0-100	PBXA2104	0-100 psi/Bar	PBXA2204	0-100 psi/kPa	PBXA2304
0-160	PBXA2105	0-160 psi/Bar	PBXA2205	0-160 psi/kPa	PBXA2305
0-200	PBXA2106	0-200 psi/Bar	PBXA2206	0-200 psi/kPa	PBXA2306
0-300	PBXA2107	0-300 psi/Bar	PBXA2207	0-300 psi/kPa	PBXA2307
0-600	PBXA2108	0-600 psi/Bar	PBXA2208	0-600 psi/kPa	PBXA2308
0-1000	PBXA2109	0-1000 psi/Bar	PBXA2209	0-1000 psi/kPa	PBXA2309
0-1500	PBXA2110	0-1500 psi/Bar	PBXA2210	0-1500 psi/kPa	PBXA2310
0-2000	PBXA2111	0-2000 psi/Bar	PBXA2211	0-2000 psi/kPa	PBXA2311
0-3000	PBXA2112	0-3000 psi/Bar	PBXA2212	0-3000 psi/kPa	PBXA2312
0-5000	PBXA2113	0-5000 psi/Bar	PBXA2213	0-5000 psi/kPa	PBXA2313
0-10000	PBXA2114	0-10000 psi/Bar	PBXA2214	0-10000 psi/kPa	PBXA2314

2.5" Brass 1/4" NPT Back Shock-X movement

P = Pressure Gauge
B = Brass Internals
X = Shock-X Movement
B = Back Connection
A = 2.5" Dial
2 = 1/4" NPT

500 Codes = psi only back connection
600 Codes = psi/Bar back connection
700 Codes = psi/kPa back connection

PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
Vacuum	PBXBA2500	Vacuum/Bar	PBXBA2600	Vacuum	PBXBA2700
0-15	PBXBA2501	0-15 psi/Bar	PBXBA2601	0-15 psi/kPa	PBXBA2701
0-30	PBXBA2502	0-30 psi/Bar	PBXBA2602	0-30 psi/kPa	PBXBA2702
0-60	PBXBA2503	0-60 psi/Bar	PBXBA2603	0-60 psi/kPa	PBXBA2703
0-100	PBXBA2504	0-100 psi/Bar	PBXBA2604	0-100 psi/kPa	PBXBA2704
0-160	PBXBA2505	0-160 psi/Bar	PBXBA2605	0-160 psi/kPa	PBXBA2705
0-200	PBXBA2506	0-200 psi/Bar	PBXBA2606	0-200 psi/kPa	PBXBA2706
0-300	PBXBA2507	0-300 psi/Bar	PBXBA2607	0-300 psi/kPa	PBXBA2707
0-600	PBXBA2508	0-600 psi/Bar	PBXBA2608	0-600 psi/kPa	PBXBA2708
0-1000	PBXBA2509	0-1000 psi/Bar	PBXBA2609	0-1000 psi/kPa	PBXBA2709
0-1500	PBXBA2510	0-1500 psi/Bar	PBXBA2610	0-1500 psi/kPa	PBXBA2710
0-2000	PBXBA2511	0-2000 psi/Bar	PBXBA2611	0-2000 psi/kPa	PBXBA2711
0-3000	PBXBA2512	0-3000 psi/Bar	PBXBA2612	0-3000 psi/kPa	PBXBA2712
0-5000	PBXBA2513	0-5000 psi/Bar	PBXBA2613	0-5000 psi/kPa	PBXBA2713
0-10000	PBXBA2514	0-10000 psi/Bar	PBXBA2614	0-10000 psi/kPa	PBXBA2714

PBX SERIES SHOCK-X™ VIBRATION FREE PRESSURE GAUGE

4" Brass 1/4" NPT Bottom Shock-X movement P = Pressure Gauge B = Brass Internals X = Shock-X Movement B = 4" Dial 2 = 1/4" NPT 100 Codes - psi only 200 Codes - psi/Bar 300 Codes - psi/kP	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
	Vacuum	PBXB2100	Vacuum/Bar	PBXB2200	Vacuum	PBXB2300
	0-15	PBXB2101	0-15 psi/Bar	PBXB2201	0-15 psi/kPa	PBXB2301
	0-30	PBXB2102	0-30 psi/Bar	PBXB2202	0-30 psi/kPa	PBXB2302
	0-60	PBXB2103	0-60 psi/Bar	PBXB2203	0-60 psi/kPa	PBXB2303
	0-100	PBXB2104	0-100 psi/Bar	PBXB2204	0-100 psi/kPa	PBXB2304
	0-160	PBXB2105	0-160 psi/Bar	PBXB2205	0-160 psi/kPa	PBXB2305
	0-200	PBXB2106	0-200 psi/Bar	PBXB2206	0-200 psi/kPa	PBXB2306
	0-300	PBXB2107	0-300 psi/Bar	PBXB2207	0-300 psi/kPa	PBXB2307
	0-600	PBXB2108	0-600 psi/Bar	PBXB2208	0-600 psi/kPa	PBXB2308

Ditto above except 1/2" NPT Bottom Shock-X movement P = Pressure Gauge B = Brass Internals X = Shock-X Movement B = 4" Dial 3 = 1/2" NPT 100 Codes - psi only 200 Codes - psi/Bar 300 Codes - psi/kPa	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
	0-1000	PBXB3109	0-1000 psi/Bar	PBXB3209	0-1000 psi/kPa	PBXB3309
	0-1500	PBXB3110	0-1500 psi/Bar	PBXB3210	0-1500 psi/kPa	PBXB3310
	0-2000	PBXB3111	0-2000 psi/Bar	PBXB3211	0-2000 psi/kPa	PBXB3311
	0-3000	PBXB3112	0-3000 psi/Bar	PBXB3212	0-3000 psi/kPa	PBXB3312
	0-5000	PBXB3113	0-5000 psi/Bar	PBXB3213	0-5000 psi/kPa	PBXB3313
	0-10000	PBXB3114	0-10000 psi/Bar	PBXB3214	0-10000 psi/kPa	PBXB3314

4" Brass 1/4" NPT Back Connection Shock-X movement P = Pressure Gauge B = Brass Internals X = Shock-X Movement B = 4" Dial B = Back Connection 2 = 1/4" NPT 500 Codes = psi only back connection 600 Codes = psi/Bar back connection 700 Codes = psi/kPa back connection	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
	Vacuum	PBXBB2500	Vacuum/Bar	PBXBB2600	Vacuum	PBXBB2700
	0-15	PBXBB2501	0-15 psi/Bar	PBXBB2601	0-15 psi/kPa	PBXBB2701
	0-30	PBXBB2502	0-30 psi/Bar	PBXBB2602	0-30 psi/kPa	PBXBB2702
	0-60	PBXBB2503	0-60 psi/Bar	PBXBB2603	0-60 psi/kPa	PBXBB2703
	0-100	PBXBB2504	0-100 psi/Bar	PBXBB2604	0-100 psi/kPa	PBXBB2704
	0-160	PBXBB2505	0-160 psi/Bar	PBXBB2605	0-160 psi/kPa	PBXBB2705
	0-200	PBXBB2506	0-200 psi/Bar	PBXBB2606	0-200 psi/kPa	PBXBB2706
	0-300	PBXBB2507	0-300 psi/Bar	PBXBB2607	0-300 psi/kPa	PBXBB2707
	0-600	PBXBB2508	0-600 psi/Bar	PBXBB2608	0-600 psi/kPa	PBXBB2708

PBX SERIES SHOCK-X™ VIBRATION FREE PRESSURE GAUGE

4" Brass 1/2" NPT Back Connection Shock-X movement P = Pressure Gauge B = Brass Internals X = Shock-X Movement B = 4" Dial B = Back Connection 3 = 1/2" NPT 500 Codes = psi only back connection 600 Codes = psi/Bar back connection 700 Codes = psi/kPa back connection	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPA Ranges	Code
	0-1000	PBXBB2509	0-1000 psi/Bar	PBXBB2609	0-1000 psi/kPa	PBXBB2709
	0-1500	PBXBB2510	0-1500 psi/Bar	PBXBB2610	0-1500 psi/kPa	PBXBB2710
	0-2000	PBXBB2511	0-2000 psi/Bar	PBXBB2611	0-2000 psi/kPa	PBXBB2711
	0-3000	PBXBB2512	0-3000 psi/Bar	PBXBB2612	0-3000 psi/kPa	PBXBB2712
	0-5000	PBXBB2513	0-5000 psi/Bar	PBXBB2613	0-5000 psi/kPa	PBXBB2713
	0-10000	PBXBB2514	0-10000 psi/Bar	PBXBB2614	0-10000 psi/kPa	PBXBB2714