

PGHA SERIES HYDRAULIC APPLICATION PRESSURE GAUGE

Description:

The Merit PGHA Series Hydraulic Application pressure gauge is designed for pressure measurement in hydraulic equipment and systems where vibration, pulsation and pressure cycling are common.

Features:

- Rugged 304 SS case and ring with one-piece brass socket.
- Standard glycerin filled to dampen pointer movement and to protect the internal components from vibration & pulsation commonly found in hydraulic applications.
- 2.5" (63mm) & 4" (100mm) dial sizes standard. Other sizes available upon request.
- 1/4" NPT or 1/2" NPT bottom or center back connections (see range/model chart for details). Other connection sizes available upon request.
- Available in ranges from -30" Hg Vacuum, compound vacuum/pressure and up to and including 15,000 psi standard. Other ranges available upon request.
- 7-year warranty against manufacturing defects*

**See Merit Instruments warranty page for full coverage information.*



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Specifications:

- Dial: 2.5" (63mm) and 4" (100mm) standard. Other sizes available upon request.
- Case: 304 stainless steel.
- Lens: PC standard, laminated safety glass optional.
- Ring: 304 stainless steel.
- Socket: Brass, one piece construction.
- Bourdon Tube: Phosphor bronze below 1,000 psi, stainless steel above 1,000 psi.
- Movement: Stainless steel.
- Connection: 1/4" NPT for 2.5" all ranges, 1/4" NPT for ranges up to 600 psi with 4" dial, 1/2" NPT connection standard on 4" gauges 1,000 psi and above. 1/2" NPT available on upon request for 4" gauges with ranges below 1,000 psi.
- Dial: Aluminum with black and red markings for dual scale ranges, black markings only for single scale ranges. Other colors and dial options available upon request.
- Pointer: Aluminum painted black.
- Working Pressure: Maximum 75% of indicated scale pressure.
- Accuracy: +/-1.5% of full scale.
- IP Rating: IP65.
- ASME B40.100-2022 manufacturing standards.

Applications:

Some typical applications for the Merit PGHA Series Hydraulic Application Pressure Gauges are:

- Hydraulic power units
- Mobile hydraulics
- Construction equipment
- Hydraulic presses
- Hydraulic cylinders
- Agricultural machinery
- Material handling equipment
- Industrial hydraulic systems
- Hydraulic pumps and motors
- OEM hydraulic equipment

PGHA SERIES HYDRAULIC APPLICATION PRESSURE GAUGE

2.5" dial, brass internals, glycerin filled, bottom connection, PC lens. PG= Pressure Gauge HA - Hydraulic Application G = Glycerin Filled A = 2.5" Dial 2 = 1/4" NPT 100 Codes = psi only 200 Codes = psi/Bar 300 Codes = psi/kPa	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPa Ranges	Code
	0/30" Hg Vacuum	PGHAGA2100	0/30" HG Vacuum/Bar	PGHAGA2200	0/30" Hg Vacuum/kPa	PGHAG2300
	30"/0/15 psi	PGHAGA2101	30"/0/15 psi/Bar	PGHAGA2201	30"/0/15 psi/kPa	PGHAG2301
	30"/0/30 psi	PGHAGA2102	30"/0/30 psi/Bar	PGHAGA2202	30"/0/30 psi/kPa	PGHAG2302
	30"/0/60 psi	PGHAGA2103	30"/0/60 psi/Bar	PGHAGA2203	30"/0/60 psi/kPa	PGHAG2303
	30"/0/100 psi	PGHAGA2104	30"/0/100 psi/Bar	PGHAGA2204	30"/0/100 psi/kPa	PGHAG2304
	30"/0/160 psi	PGHAGA2105	30"/0/160 psi/Bar	PGHAGA2205	30"/0/160 psi/kPa	PGHAG2305
	30"/0/200 psi	PGHAGA2106	30"/0/200 psi/Bar	PGHAGA2206	30"/0/200 psi/kPa	PGHAG2306
	30"/0/300 psi	PGHAGA2107	30"/0/300 psi/Bar	PGHAGA2207	30"/0/300 psi/kPa	PGHAG2307
	0/15 psi	PGHAGA2108	0/15 psi/Bar	PGHAGA2208	0/15 psi/kPa	PGHAG2308
	0/30 psi	PGHAGA2109	0/30 psi/Bar	PGHAGA2209	0/30 psi/kPa	PGHAG2309
	0/60 psi	PGHAGA2110	0/60 psi/Bar	PGHAGA2210	0/60 psi/kPa	PGHAG2310
	0/100 psi	PGHAGA2111	0/100 psi/Bar	PGHAGA2211	0/100 psi/kPa	PGHAG2311
	0/160 psi	PGHAGA2112	0/160 psi/Bar	PGHAGA2212	0/160 psi/kPa	PGHAG2312
	0/200 psi	PGHAGA2113	0/200 psi/Bar	PGHAGA2213	0/200 psi/kPa	PGHAG2313
	0/300 psi	PGHAGA2114	0/300 psi/Bar	PGHAGA2214	0/300 psi/kPa	PGHAG2314
	0/400 psi	PGHAGA2115	0/400 psi/Bar	PGHAGA2215	0/400 psi/kPa	PGHAG2315
	0/600 psi	PGHAGA2116	0/600 psi/Bar	PGHAGA2216	0/600 psi/kPa	PGHAG2316
	0/800 psi	PGHAGA2117	0/800 psi/Bar	PGHAGA2217	0/800 psi/kPa	PGHAG2317
	0/1000 psi	PGHAGA2118	0/1000 psi/Bar	PGHAGA2218	0/1000 psi/kPa	PGHAG2318
	0/1500 psi	PGHAGA2119	0/1500 psi/Bar	PGHAGA2219	0/1500 psi/kPa	PGHAG2319
	0/2000 psi	PGHAGA2120	0/2000 psi/Bar	PGHAGA2220	0/2000 psi/kPa	PGHAG2320
	0/3000 psi	PGHAGA2121	0/3000 psi/Bar	PGHAGA2221	0/3000 psi/kPa	PGHAG2321
	0/4000 psi	PGHAGA2122	0/4000 psi/Bar	PGHAGA2222	0/4000 psi/kPa	PGHAG2322
	0/5000 psi	PGHAGA2123	0/5000 psi/Bar	PGHAGA2223	0/5000 psi/kPa	PGHAG2323
	0/10000 psi	PGHAGA2124	0/10000 psi/Bar	PGHAGA2224	0/10000 psi/kPa	PGHAG2324
	0/15000 psi	PGHAGA2125	0/15000 psi/Bar	PGHAGA2225	0/15000 psi/kPa	PGHAG2325

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2.5" dial, brass internals,
glycerin filled, center back
connection, PC lens.

PG= Pressure Gauge
HA - Hydraulic Application
G = Glycerin Filled
A = 2.5" Dial
2 = 1/4" NPT

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

PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPa Ranges	Code
0/30" Hg Vacuum	PGHAGA2500	0/30" HG Vacuum/Bar	PGHAGA2600	0/30" Hg Vacuum/kPa	PGHAG2700
30"/0/15 psi	PGHAGA2501	30"/0/15 psi/Bar	PGHAGA2601	30"/0/15 psi/kPa	PGHAG2701
30"/0/30 psi	PGHAGA2502	30"/0/30 psi/Bar	PGHAGA2602	30"/0/30 psi/kPa	PGHAG2702
30"/0/60 psi	PGHAGA2503	30"/0/60 psi/Bar	PGHAGA2603	30"/0/60 psi/kPa	PGHAG2703
30"/0/100 psi	PGHAGA2504	30"/0/100 psi/Bar	PGHAGA2604	30"/0/100 psi/kPa	PGHAG2704
30"/0/160 psi	PGHAGA2505	30"/0/160 psi/Bar	PGHAGA2605	30"/0/160 psi/kPa	PGHAG2705
30"/0/200 psi	PGHAGA2506	30"/0/200 psi/Bar	PGHAGA2606	30"/0/200 psi/kPa	PGHAG2706
30"/0/300 psi	PGHAGA2507	30"/0/300 psi/Bar	PGHAGA2607	30"/0/300 psi/kPa	PGHAG2707
0/15 psi	PGHAGA2508	0/15 psi/Bar	PGHAGA2608	0/15 psi/kPa	PGHAG2708
0/30 psi	PGHAGA2509	0/30 psi/Bar	PGHAGA2609	0/30 psi/kPa	PGHAG2709
0/60 psi	PGHAGA2510	0/60 psi/Bar	PGHAGA2610	0/60 psi/kPa	PGHAG2710
0/100 psi	PGHAGA2511	0/100 psi/Bar	PGHAGA2611	0/100 psi/kPa	PGHAG2711
0/160 psi	PGHAGA2512	0/160 psi/Bar	PGHAGA2612	0/160 psi/kPa	PGHAG2712
0/200 psi	PGHAGA2513	0/200 psi/Bar	PGHAGA2613	0/200 psi/kPa	PGHAG2713
0/300 psi	PGHAGA2514	0/300 psi/Bar	PGHAGA2614	0/300 psi/kPa	PGHAG2714
0/400 psi	PGHAGA2515	0/400 psi/Bar	PGHAGA2615	0/400 psi/kPa	PGHAG2715
0/600 psi	PGHAGA2516	0/600 psi/Bar	PGHAGA2616	0/600 psi/kPa	PGHAG2716
0/800 psi	PGHAGA2517	0/800 psi/Bar	PGHAGA2617	0/800 psi/kPa	PGHAG2717
0/1000 psi	PGHAGA2518	0/1000 psi/Bar	PGHAGA2618	0/1000 psi/kPa	PGHAG2718
0/1500 psi	PGHAGA2519	0/1500 psi/Bar	PGHAGA2619	0/1500 psi/kPa	PGHAG2719
0/2000 psi	PGHAGA2520	0/2000 psi/Bar	PGHAGA2620	0/2000 psi/kPa	PGHAG2720
0/3000 psi	PGHAGA2521	0/3000 psi/Bar	PGHAGA2621	0/3000 psi/kPa	PGHAG2721
0/4000 psi	PGHAGA2522	0/4000 psi/Bar	PGHAGA2622	0/4000 psi/kPa	PGHAG2722
0/5000 psi	PGHAGA2523	0/5000 psi/Bar	PGHAGA2623	0/5000 psi/kPa	PGHAG2723
0/10000 psi	PGHAGA2524	0/10000 psi/Bar	PGHAGA2624	0/10000 psi/kPa	PGHAG2724
0/15000 psi	PGHAGA2525	0/15000 psi/Bar	PGHAGA2625	0/15000 psi.kPa	PGHAG2725

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4" dial, brass internals, glycerin filled, bottom connection, PC lens. PG= Pressure Gauge HA - Hydraulic Application G = Glycerin Filled B = 4" Dial 2 = 1/4" NPT 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
	0/30" Hg Vacuum	PGHAGB2100	0/30" HG Vacuum/Bar	PGHAGB2200	0/30" Hg Vacuum/kPa	PGHAGB2300
	30"/0/15 psi	PGHAGB2101	30"/0/15 psi/Bar	PGHAGB2201	30"/0/15 psi/kPa	PGHAGB2301
	30"/0/30 psi	PGHAGB2102	30"/0/30 psi/Bar	PGHAGB2202	30"/0/30 psi/kPa	PGHAGB2302
	30"/0/60 psi	PGHAGB2103	30"/0/60 psi/Bar	PGHAGB2203	30"/0/60 psi/kPa	PGHAGB2303
	30"/0/100 psi	PGHAGB2104	30"/0/100 psi/Bar	PGHAGB2204	30"/0/100 psi/kPa	PGHAGB2304
	30"/0/160 psi	PGHAGB2105	30"/0/160 psi/Bar	PGHAGB2205	30"/0/160 psi/kPa	PGHAGB2305
	30"/0/200 psi	PGHAGB2106	30"/0/200 psi/Bar	PGHAGB2206	30"/0/200 psi/kPa	PGHAGB2306
	30"/0/300 psi	PGHAGB2107	30"/0/300 psi/Bar	PGHAGB2207	30"/0/300 psi/kPa	PGHAGB2307
	0/15 psi	PGHAGB2108	0/15 psi/Bar	PGHAGB2208	0/15 psi/kPa	PGHAGB2308
	0/30 psi	PGHAGB2109	0/30 psi/Bar	PGHAGB2209	0/30 psi/kPa	PGHAGB2309
	0/60 psi	PGHAGB2110	0/60 psi/Bar	PGHAGB2210	0/60 psi/kPa	PGHAGB2310
	0/100 psi	PGHAGB2111	0/100 psi/Bar	PGHAGB2211	0/100 psi/kPa	PGHAGB2311
	0/160 psi	PGHAGB2112	0/160 psi/Bar	PGHAGB2212	0/160 psi/kPa	PGHAGB2312
	0/200 psi	PGHAGB2113	0/200 psi/Bar	PGHAGB2213	0/200 psi/kPa	PGHAGB2313
	0/300 psi	PGHAGB2114	0/300 psi/Bar	PGHAGB2214	0/300 psi/kPa	PGHAGB2314
	0/400 psi	PGHAGB2115	0/400 psi/Bar	PGHAGB2215	0/400 psi/kPa	PGHAGB2315
	0/600 psi	PGHAGB2116	0/600 psi/Bar	PGHAGB2216	0/600 psi/kPa	PGHAGB2316
	0/800 psi	PGHAGB2117	0/800 psi/Bar	PGHAGB2217	0/800 psi/kPa	PGHAGB2317
	0/1000 psi	PGHAGB3118	0/1000 psi/Bar	PGHAGB3218	0/1000 psi/kPa	PGHAGB3318
	0/1500 psi	PGHAGB3119	0/1500 psi/Bar	PGHAGB3219	0/1500 psi/kPa	PGHAGB3319
	0/2000 psi	PGHAGB3120	0/2000 psi/Bar	PGHAGB3220	0/2000 psi/kPa	PGHAGB3320
	0/3000 psi	PGHAGB3121	0/3000 psi/Bar	PGHAGB3221	0/3000 psi/kPa	PGHAGB3321
	0/4000 psi	PGHAGB3122	0/4000 psi/Bar	PGHAGB3222	0/4000 psi/kPa	PGHAGB3322
	0/5000 psi	PGHAGB3123	0/5000 psi/Bar	PGHAGB3223	0/5000 psi/kPa	PGHAGB3323
	0/10000 psi	PGHAGB3124	0/10000 psi/Bar	PGHAGB3224	0/10000 psi/kPa	PGHAGB3324
	0/15000 psi	PGHAGB3125	0/15000 psi/Bar	PGHAGB3225	0/15000 psi.kPa	PGHAGB3325

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4" dial, brass internals, glycerin filled, center back connection, PC lens. PG= Pressure Gauge HA - Hydraulic Application G = Glycerin Filled B = 4" Dial 2 = 1/4" NPT 3 = 1/2" NPT 500 Codes = psi only 600 Codes = psi/Bar 700 Codes = psi/kPa	PSI Ranges	Code	PSI/Bar Ranges	Code	PSI/kPa Ranges	Code
	0/30" Hg Vacuum	PGHAGB2500	0/30" HG Vacuum/Bar	PGHAGB2600	0/30" Hg Vacuum/kPa	PGHAGB2700
	30"/0/15 psi	PGHAGB2501	30"/0/15 psi/Bar	PGHAGB2601	30"/0/15 psi/kPa	PGHAGB2701
	30"/0/30 psi	PGHAGB2502	30"/0/30 psi/Bar	PGHAGB2602	30"/0/30 psi/kPa	PGHAGB2702
	30"/0/60 psi	PGHAGB2503	30"/0/60 psi/Bar	PGHAGB2603	30"/0/60 psi/kPa	PGHAGB2703
	30"/0/100 psi	PGHAGB2504	30"/0/100 psi/Bar	PGHAGB2604	30"/0/100 psi/kPa	PGHAGB2704
	30"/0/160 psi	PGHAGB2505	30"/0/160 psi/Bar	PGHAGB2605	30"/0/160 psi/kPa	PGHAGB2705
	30"/0/200 psi	PGHAGB2506	30"/0/200 psi/Bar	PGHAGB2606	30"/0/200 psi/kPa	PGHAGB2706
	30"/0/300 psi	PGHAGB2507	30"/0/300 psi/Bar	PGHAGB2607	30"/0/300 psi/kPa	PGHAGB2707
	0/15 psi	PGHAGB2508	0/15 psi/Bar	PGHAGB2608	0/15 psi/kPa	PGHAGB2708
	0/30 psi	PGHAGB2509	0/30 psi/Bar	PGHAGB2609	0/30 psi/kPa	PGHAGB2709
	0/60 psi	PGHAGB2510	0/60 psi/Bar	PGHAGB2610	0/60 psi/kPa	PGHAGB2710
	0/100 psi	PGHAGB2511	0/100 psi/Bar	PGHAGB2611	0/100 psi/kPa	PGHAGB2711
	0/160 psi	PGHAGB2512	0/160 psi/Bar	PGHAGB2612	0/160 psi/kPa	PGHAGB2712
	0/200 psi	PGHAGB2513	0/200 psi/Bar	PGHAGB2613	0/200 psi/kPa	PGHAGB2713
	0/300 psi	PGHAGB2514	0/300 psi/Bar	PGHAGB2614	0/300 psi/kPa	PGHAGB2714
	0/400 psi	PGHAGB2515	0/400 psi/Bar	PGHAGB2615	0/400 psi/kPa	PGHAGB2715
	0/600 psi	PGHAGB2516	0/600 psi/Bar	PGHAGB2616	0/600 psi/kPa	PGHAGB2716
	0/800 psi	PGHAGB2517	0/800 psi/Bar	PGHAGB2617	0/800 psi/kPa	PGHAGB2717
	0/1000 psi	PGHAGB3518	0/1000 psi/Bar	PGHAGB3618	0/1000 psi/kPa	PGHAGB3718
	0/1500 psi	PGHAGB3519	0/1500 psi/Bar	PGHAGB3619	0/1500 psi/kPa	PGHAGB3719
	0/2000 psi	PGHAGB3520	0/2000 psi/Bar	PGHAGB3620	0/2000 psi/kPa	PGHAGB3720
	0/3000 psi	PGHAGB3521	0/3000 psi/Bar	PGHAGB3621	0/3000 psi/kPa	PGHAGB3721
	0/4000 psi	PGHAGB3522	0/4000 psi/Bar	PGHAGB3622	0/4000 psi/kPa	PGHAGB3722
	0/5000 psi	PGHAGB3523	0/5000 psi/Bar	PGHAGB3623	0/5000 psi/kPa	PGHAGB3723
	0/10000 psi	PGHAGB3524	0/10000 psi/Bar	PGHAGB3624	0/10000 psi/kPa	PGHAGB3724
	0/15000 psi	PGHAGB3525	0/15000 psi/Bar	PGHAGB3625	0/15000 psi.kPa	PGHAGB3725