

Economy Gauge, Lead Free Economy Gauge

PEM,
PEM-LF

Economy



Description & Features:

- Most economical, all-purpose pressure gauge
- 1.5" (40mm) to 4" (100mm) sizes
- Friction bezel rings
- Black steel case
- Brass or lead free brass wetted parts
- $\pm 3-2-3\%$ accuracy
- ASME B40.100 compliant (EN837-1 available)
- CRN registered
- Lead free version NSF-61-372 certified
- 5 year warranty

Applications:

- General purpose gauge for plumbing, heating, air conditioning, pneumatic, hydraulic, water tanks, air compressors, OEM
- Lead free version for potable water systems
- Suitable for non-clogging and non-corroding media

Specifications

Dial	1.5" (40mm), 2" (50mm), 2.5" (63mm), 4" (100mm) white aluminum with black and red markings
Case	Steel, painted black (plastic available)
Lens	1.5" (40mm), 2" (50mm), 2.5" (63mm): Acrylic 4" (100mm): Glass
Ring	1.5" (40mm), 2" (50mm): Steel, painted black 2.5" (63mm), 4" (100mm): Steel, chrome plated
Socket	PEM: Brass PEM-LF: Lead free brass, NSF-61-372 certified
Connection	1/8" NPT or 1/4" NPT standard
Bourdon Tube	PEM: Phosphor bronze PEM-LF: Lead free phosphor bronze, NSF-61-372 certified
Movement	PEM: Brass PEM-LF (1.5", 2", 2.5"): SS, PEM-LF (4"): Lead free brass, NSF-61-372 certified
Pointer	Aluminum, black
Welding	Silver alloy
Over-pressure Limit	25% of full scale value
Working Pressure	Maximum 75% of full scale value
Ambient/Process Temperature	-40°F to 150°F (-40°C to 65°C)
Accuracy	$\pm 3-2-3\%$ ANSI/ASME Grade B
Enclosure Rating	IP52
Warning	 WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .

WINTERS INSTRUMENTS

1.888.610.7664



www.calcert.com

sales@calcert.com

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PEM Order Codes (products in bold are normally stock in North America)

Dial Size	1.5" (40mm)		2" (50mm)					2.5" (63mm)		4" (100mm)
Connection	1/8" Bottom	1/8" Back (CB)	1/8" Bottom	1/8" Back (CB)	1/4" Bottom	1/4" Back (CB)	1/4" psi only Bottom	1/4" Bottom	1/4" Back (CB)	1/4" Bottom
Case Material	Steel						Plastic	Steel		
30" Hg Vac/kPa	PEM1297	PEM1397	PEM195	PEM1424	PEM135	PEM1428	PEM1398	PEM210	PEM1431	PEM220
30"/0/15 psi/kPa	-	-	-	-	-	-	-	PEM152	-	-
30"/0/30 psi/kPa	-	-	-	-	-	-	-	PEM153	-	-
30"/0/60 psi/kPa	-	-	-	-	-	-	-	PEM154	-	-
30"/0/100 psi/kPa	-	-	-	-	-	-	-	PEM155	-	-
0/15 psi/kPa	PEM1299	PEM1399	PEM196	PEM1425	PEM136	PEM1429	-	PEM211	PEM1436	PEM295
0/30 psi/kPa	PEM1300	PEM1400	PEM206	PEM1402	PEM199	PEM1403	PEM200	PEM212	PEM1437	PEM221
0/60 psi/kPa	PEM1301	PEM1401	PEM207	PEM1404	PEM201	PEM1405	PEM194	PEM213	PEM1438	PEM222
0/100 psi/kPa	PEM1320	PEM1420	PEM208	PEM1406	PEM202	PEM1407	-	PEM214	PEM1439	PEM223
0/160 psi/kPa	PEM1321	PEM1421	PEM197	PEM1408	PEM203	PEM1409	-	PEM215	PEM1440	PEM224
0/200 psi/kPa	PEM1322	PEM1422	PEM209	PEM1426	PEM204	PEM1410	-	PEM216	PEM1441	PEM225
0/300 psi/kPa	PEM1323	PEM1423	PEM198	PEM1427	PEM205	PEM1411	-	PEM217	PEM1442	PEM226
0/400 psi/kPa	-	-	-	-	-	PEM1414	-	PEM219	PEM3412	PEM227
0/600 psi/kPa	-	-	-	-	-	PEM1412	-	PEM218	PEM3413	-
0/1,000 psi/kPa	-	-	-	-	-	-	-	PEM290	-	-
0/3,000 psi/kPa	-	-	-	-	-	-	-	PEM291	-	-
0/5,000 psi/kPa	-	-	-	-	-	-	-	PEM292	-	-

PEM-LF Order Codes (products in bold are normally stock in North America)

Dial Size	1.5" (40mm)		2" (50mm)				2.5" (63mm)		4" (100mm)
Connection	1/8" Bottom	1/8" Back (CB)	1/8" Bottom	1/8" Back (CB)	1/4" Bottom	1/4" Back (CB)	1/4" Bottom	1/4" Back (CB)	1/4" Bottom
Case Material	Steel						Steel		
30" Hg Vac/kPa	PEM1297LF	PEM1397LF	PEM195LF	PEM1424LF	PEM135LF	PEM1428LF	PEM210LF	PEM1431LF	PEM220LF
30"/0/15 psi/kPa	-	-	-	-	-	-	PEM152LF	-	-
30"/0/30 psi/kPa	-	-	-	-	-	-	PEM153LF	-	-
30"/0/60 psi/kPa	-	-	-	-	-	-	PEM154LF	-	-
30"/0/100 psi/kPa	-	-	-	-	-	-	PEM155LF	-	-
0/15 psi/kPa	PEM1299LF	PEM1399LF	PEM196LF	PEM1425LF	PEM136LF	PEM1429LF	PEM211LF	PEM1436LF	-
0/30 psi/kPa	PEM1300LF	PEM1400LF	PEM206LF	PEM1402LF	PEM199LF	PEM1403LF	PEM212LF	PEM1437LF	PEM221LF
0/60 psi/kPa	PEM1301LF	PEM1401LF	PEM207LF	PEM1404LF	PEM201LF	PEM1405LF	PEM213LF	PEM1438LF	PEM222LF
0/100 psi/kPa	PEM1320LF	PEM1420LF	PEM208LF	PEM1406LF	PEM202LF	PEM1407LF	PEM214LF	PEM1439LF	PEM223LF
0/160 psi/kPa	PEM1321LF	PEM1421LF	PEM197LF	PEM1408LF	PEM203LF	PEM1409LF	PEM215LF	PEM1440LF	PEM224LF
0/200 psi/kPa	PEM1322LF	PEM1422LF	PEM209LF	PEM1426LF	PEM204LF	PEM1410LF	PEM216LF	PEM1441LF	PEM225LF
0/300 psi/kPa	PEM1323LF	PEM1423LF	PEM198LF	PEM1427LF	PEM205LF	PEM1411LF	PEM217LF	PEM1442LF	PEM226LF
0/400 psi/kPa	-	-	-	-	-	-	PEM219LF	-	PEM227LF
0/600 psi/kPa	-	-	-	-	-	-	PEM218LF	PEM3413LF	-
0/1,000 psi/kPa	-	-	-	-	-	-	PEM290LF	-	-
0/3,000 psi/kPa	-	-	-	-	-	-	PEM291LF	-	-
0/5,000 psi/kPa	-	-	-	-	-	-	PEM292LF	-	-

Other ranges and connection sizes available upon request. For scale change, refer to How to Order Guide for scale codes.

For options, attach suffix to end of order code: i.e. **PEM1399-GL15** for 1.5" GLASS LENS.

Option suffix:

ECASE15SSBK = 1.5" (40mm) SS back case connection
 ECASE15SSBTM = 1.5" (40mm) SS bottom connection
 ECASE20SSBK = 2" (50mm) SS case back connection
 ECASE20SSBTM = 2" (50mm) SS case bottom connection

EN = EN837-1 compliant
 GL15 = Glass lens for 1.5" (40mm) dial
 GL2 = Glass lens for 2" (50mm) dial
 GL25 = Glass lens for 2.5" (63mm) dial

Note: For 1.5" to 2" SS internals, please see PRL Series Regulator Gauges.

WINTERS INSTRUMENTS

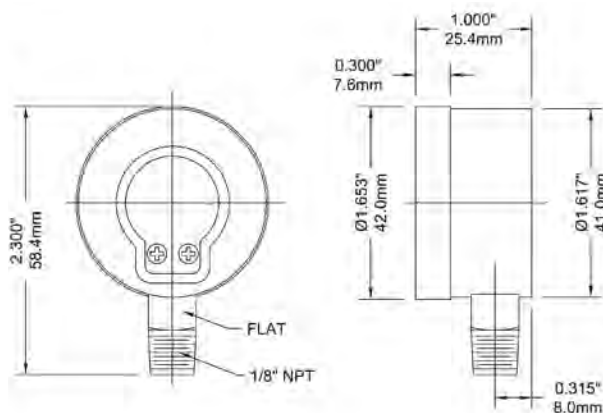
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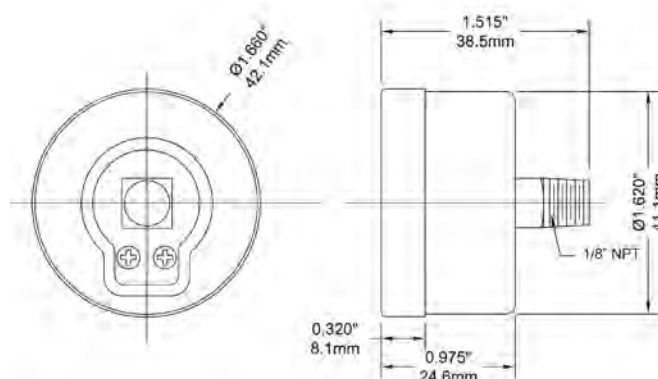
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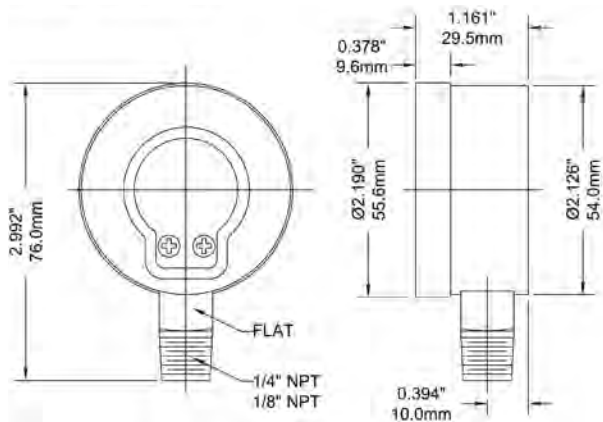
1.5" Bottom Connection



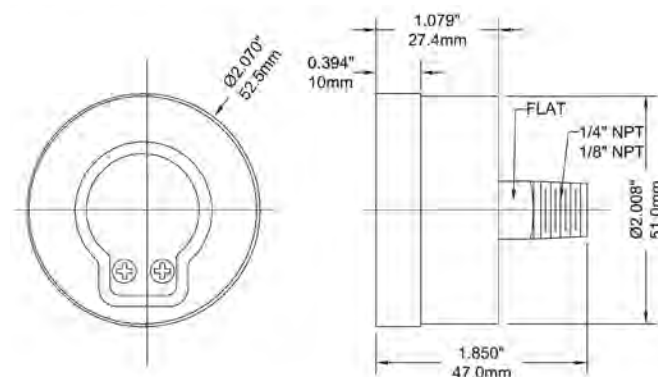
1.5" Back Connection



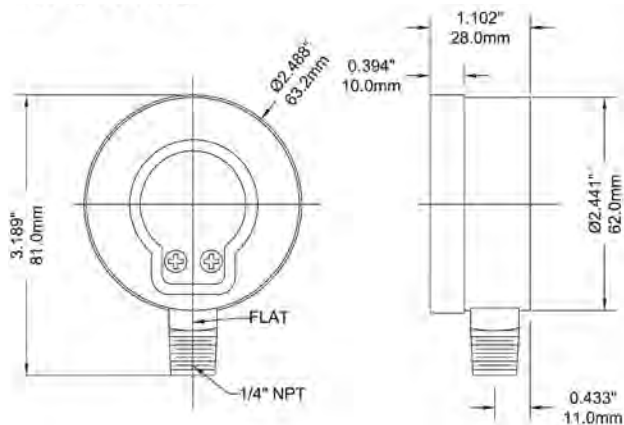
2" Bottom Connection



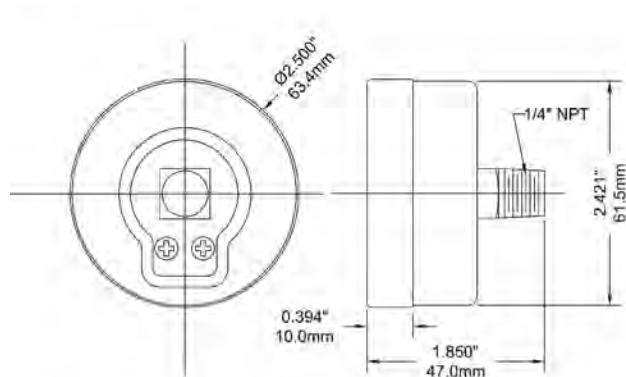
2" Back Connection



2.5" Bottom Connection



2.5" Back Connection



4" Bottom Connection

