

Description & Features

- Most economical all-purpose pressure gauge
- 1.5" (40mm) to 6" (150mm)
- Steel painted black/steel chrome plated rings
- Black steel case
- Brass internals
- $\pm 3\%$ -2-3% accuracy

Applications

- Plumbing, heating, air conditioning, pneumatic, hydraulic, water tanks, air compressors, OEM

Specifications

Dial Size

1.5" (40mm), 2" (50mm), 2.5" (63mm), 4" (100mm), 6" (150mm)
white aluminum with black and red markings

Pressure Range

From vacuum to 0...5000 psi (0...350 bar)

Case Material

Steel, painted black (plastic available)

Lens Material

1.5"(40mm), 2" (50mm) and 2.5"(63mm): polycarbonate
4"(100mm), 6"(150mm): glass

Ring Material

6"(150mm):
steel, painted black;
1.5" (40mm), 2" (50mm), 2.5"(63mm), 4"(100mm):
chrome electroplated or steel painted black

Pointer

Aluminum, painted black

Bourdon Tube

Phosphor bronze

Movement

Brass

Socket Material

Brass



Connection

1/8", 1/2", 1/4" NPT standard

Protection

IP 52

Working Pressure

Maximum 75% of full scale value

Over-pressure

25% of full scale value

Ambient Temperature

-40°F to 150°F (-40°C to 65°C)

Process Temperature

-40°F to 150°F (-40°C to 65°C)

Accuracy

$\pm 3\%$ -2-3% ANSI/ASME Grade B

Welding

Tin soldering or silver alloy

Options

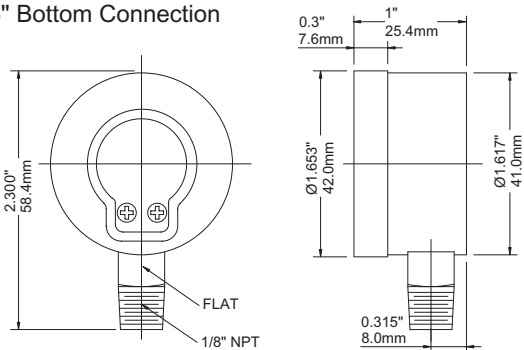
Maximum adjustable pointer

Order Information

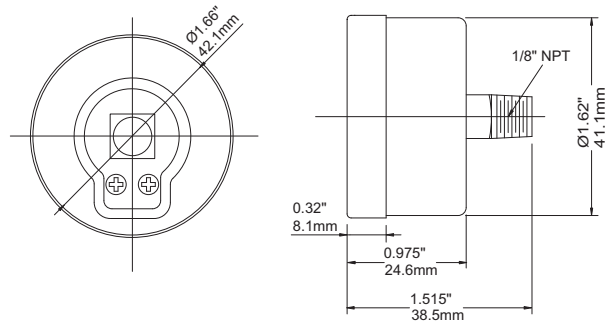
Series/ Dial Size/ Case Materials/ Wetted Parts/ Configuration/ Connection Size/ Thread/ Range/ Option

Dimensions

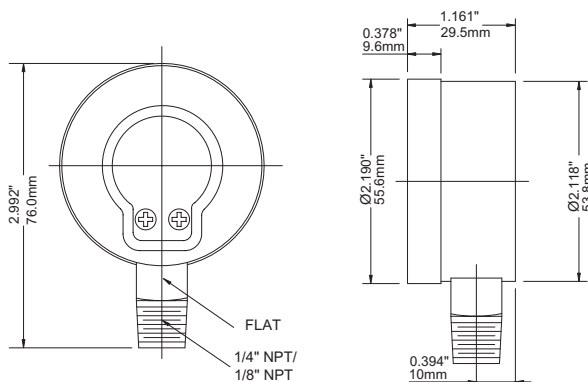
1.5" Bottom Connection



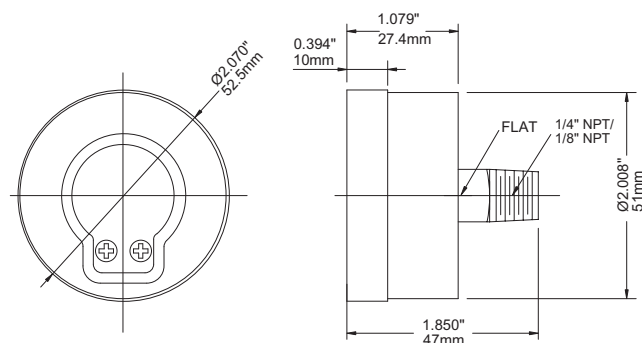
1.5" Back Connection



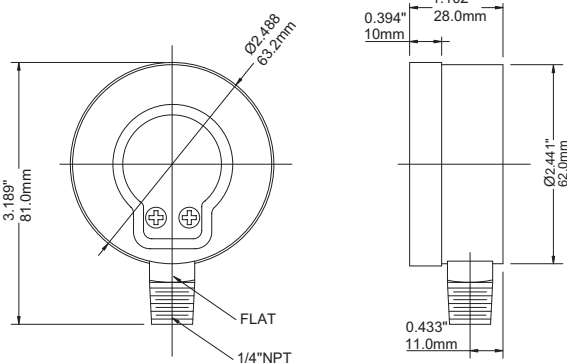
2" Bottom Connection



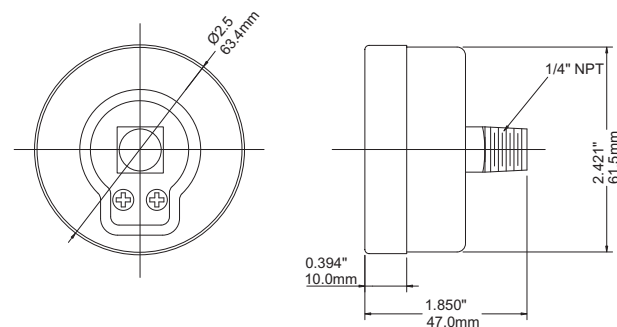
2" Back Connection



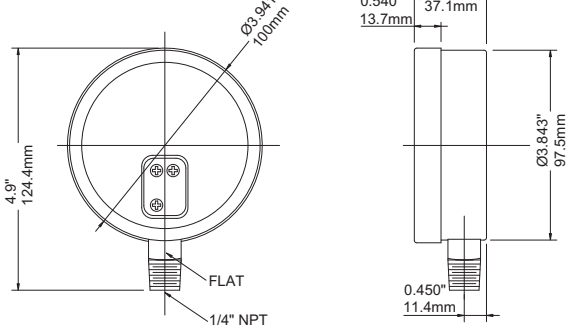
2.5" Bottom Connection



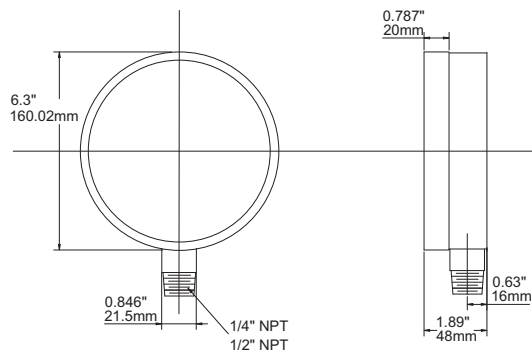
2.5" Back Connection



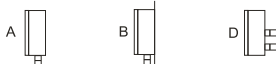
4" Bottom Connection



6" Bottom Connection



Ordering Code PEM Series

Field No.	Code	Specifications																																								
1.	PEM	Series																																								
2.	15	Dial Size 1.5" (40mm)																																								
	20	2.0" (50mm)																																								
	25	2.5" (63mm)																																								
	40	4.0" (100mm)																																								
	60	6.0" (150mm)																																								
		Case Materials																																								
3.	Y	Steel painted black																																								
4.	B	Ring Steel painted black																																								
	Z	Steel chrome plated																																								
5.	B	Wetted Parts Brass																																								
	Z	Special																																								
6.		Configuration																																								
	A	Bottom connection, stem mounting																																								
	B	Bottom connection, back flange, surface mounting																																								
	D	Back connection, stem mounting																																								
	Z	Special																																								
																																										
7.	8	Connection 1/8"																																								
	4	1/4"																																								
	3	3/8"																																								
	2	1/2"																																								
	Z	Special																																								
		Thread																																								
8.	N	NPT																																								
	B	BSP (G)																																								
	T	BSPT (R)																																								
	F	M14X1.5																																								
	M	M20X1.5																																								
	Z	Special																																								
9.		Range (XXXX)																																								
		Standard Ranges																																								
	MPa	<table><tr><td>-0.1/0</td><td>-0.1/0.9</td><td>0/0.1</td><td>0/1</td><td>0/10</td><td></td><td></td><td></td></tr><tr><td>-0.1/0.06</td><td>-0.1/1.5</td><td>0/0.16</td><td>0/1.6</td><td>0/16</td><td></td><td></td><td></td></tr><tr><td>-0.1/0.15</td><td>-0.1/2.4</td><td>0/0.25</td><td>0/2.5</td><td>0/25</td><td></td><td></td><td></td></tr><tr><td>-0.1/0.3</td><td></td><td>0/0.4</td><td>0/4</td><td>0/40</td><td></td><td></td><td></td></tr><tr><td>-0.1/0.5</td><td></td><td>0/0.6</td><td>0/6</td><td></td><td></td><td></td><td></td></tr></table>	-0.1/0	-0.1/0.9	0/0.1	0/1	0/10				-0.1/0.06	-0.1/1.5	0/0.16	0/1.6	0/16				-0.1/0.15	-0.1/2.4	0/0.25	0/2.5	0/25				-0.1/0.3		0/0.4	0/4	0/40				-0.1/0.5		0/0.6	0/6				
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	bar	<table><tr><td>-1/0</td><td>-1/9</td><td></td><td></td><td>0/1</td><td>0/10</td><td>0/100</td><td></td></tr><tr><td>-1/0.6</td><td>-1/15</td><td></td><td></td><td>0/1.6</td><td>0/16</td><td>0/160</td><td></td></tr><tr><td>-1/1.5</td><td>-1/24</td><td></td><td></td><td>0/2.5</td><td>0/25</td><td>0/250</td><td></td></tr><tr><td>-1/3</td><td></td><td></td><td></td><td>0/4</td><td>0/40</td><td>0/400</td><td></td></tr><tr><td>-1/5</td><td></td><td></td><td></td><td>0/6</td><td>0/60</td><td></td><td></td></tr></table>	-1/0	-1/9			0/1	0/10	0/100		-1/0.6	-1/15			0/1.6	0/16	0/160		-1/1.5	-1/24			0/2.5	0/25	0/250		-1/3				0/4	0/40	0/400		-1/5				0/6	0/60		
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Field No.	Code	Specifications																																									
		Range (XXXX) Standard Ranges <table><tr><td rowspan="5">kPa</td><td>-100/0</td><td>-100/900</td><td></td><td></td><td>0/100</td><td>0/1000</td><td></td><td></td></tr><tr><td>-100/60</td><td>-100/1500</td><td></td><td></td><td>0/160</td><td>0/1600</td><td></td><td></td></tr><tr><td>-100/150</td><td>-100/2400</td><td></td><td></td><td>0/250</td><td>0/2500</td><td></td><td></td></tr><tr><td>-100/300</td><td></td><td></td><td></td><td>0/400</td><td>0/4000</td><td></td><td></td></tr><tr><td>-100/500</td><td></td><td></td><td></td><td>0/600</td><td>0/6000</td><td></td><td></td></tr></table>	kPa	-100/0	-100/900			0/100	0/1000			-100/60	-100/1500			0/160	0/1600			-100/150	-100/2400			0/250	0/2500			-100/300				0/400	0/4000			-100/500				0/600	0/6000		
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