OMEGA® GENERAL SERVICE GAUGES
TYPE S

PGS Series

- 63 and 89 mm (2½ and 3½") Dials
- Stem and Panel Mount Styles
- Weather-Resistant Stainless Steel Case
- 316 SS Wetted Parts
- 1% FS Accuracy

To combat hostile environments, this general service gauge is corrosion, weather, and dust resistant. Mounting versatility, excellent readability, and sustained accuracy make this stainless steel design a gauge leader. It can be stem, surface, or flush mounted. Sustained accuracy and excellent readability are especially important to users of the OMEGA® general service gauge line. Meeting the requirements of many industrial applications, general service gauges can be used on steam boilers or other pressurized vessels; on pumps and compressors; on many types of industrial machinery; in the chemical, petrochemical, and allied process industries; in power plants; and in pulp and paper mills.

The pressure gauge actuation system in the OMEGA® general service gauge line is the standard 316 SS Bourdon tube system, which is engineered to precise tolerances for repeatability and consistent response to pressure fluctuations.

PGS-25L-160, shown actual size.

PGS-35L-300, shown actual size.
TYPE S GENERAL SERVICE GAUGES

SPECIFICATIONS
Max Operating Temp: 66°C (150°F)
Case: Polished stainless steel
Window: Polycarbonate plastic with Neoprene sealing gasket
Bourdon Tube: 316 SS

Connection: Back or lower
Fitting: 316 SS, ½ NPT
Dial Size: 63 and 89 mm (2½ and 3½"
Mounting: Stem, flange or "U" bracket
Accuracy: 1% full scale

Warning: To prevent misapplication, all gauge components should be chosen with an eye to the media and ambient operating conditions to which they will be exposed. Improper application can be detrimental to the gauge, causing failure and possible personal injury and property damage.

ACCESSORIES FOR TYPE S GAUGES

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>UBK-25A</td>
<td>U-bracket kit for 2½ gauge</td>
</tr>
<tr>
<td>UBK-35A</td>
<td>U-bracket kit for 3½ gauge</td>
</tr>
<tr>
<td>FMK-25A</td>
<td>Flange mount kit for 2½ gauge</td>
</tr>
<tr>
<td>FMK-35A</td>
<td>Flange mount kit for 3½ gauge</td>
</tr>
</tbody>
</table>

Dimensions: mm (in)  \( \phi = \text{diameter} \)
Pressure Range: Select a gauge with a full scale pressure range of approximately twice the normal operating pressure. The maximum operating pressure should not exceed approximately 75% of the full scale range. Failure to select a gauge range within these criteria may ultimately result in fatigue failure of the Bourdon tube.

Oil-Filled Gauges Also Available:
Type S gauges are available on special order filled with silicone oil. The silicone oil is used to dampen the internal movement of the gauge when it is installed on vibrating equipment. The oil has an operating range of -40 to 66°C (-40 to 150°F). The maximum storage temperature of the gauge is 82°C (180°F).

To Order: Add suffix “F” to model number for an additional cost for 63 mm (2½”) gauges or an additional cost for 89 mm (3½”) gauges.

* Insert range code from table below. Comes complete with operator’s manual.

Option: “X6B”, oxygen service cleaning.

Ordering Example: PGS-25B-160, pressure gauge, general service type, 2½” dial, back connection, 0/160 psi range.

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### Standard Ranges—Type S Pressure (psi)

<table>
<thead>
<tr>
<th>DIAL SIZE</th>
<th>MODEL NO.</th>
<th>CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½”</td>
<td>PGS-25L[*] (to 600 psi)</td>
<td>Lower</td>
</tr>
<tr>
<td></td>
<td>PGS-25L[*] (over 600 psi)</td>
<td>Lower</td>
</tr>
<tr>
<td></td>
<td>PGS-25B[*] (to 600 psi)</td>
<td>Back</td>
</tr>
<tr>
<td></td>
<td>PGS-25B[*] (over 600 psi)</td>
<td>Back</td>
</tr>
<tr>
<td>3½”</td>
<td>PGS-35L[*] (to 600 psi)</td>
<td>Lower</td>
</tr>
<tr>
<td></td>
<td>PGS-35L[*] (over 600 psi)</td>
<td>Lower</td>
</tr>
<tr>
<td></td>
<td>PGS-35B[*] (to 600 psi)</td>
<td>Back</td>
</tr>
<tr>
<td></td>
<td>PGS-35B[*] (over 600 psi)</td>
<td>Back</td>
</tr>
</tbody>
</table>

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**Note:** For Type S gauges with oxygen cleaning, gauge fill must be Halocarbon, for additional cost.

Ordering Example: PGS-25B-60-F, pressure gauge, general service type, 63 mm (2½”) dial, 0/60 psi range, silicone oil filled.