**Application**

The 6500 Series Senior gauges are designed for use in low pressure tanks 0-25 psig [0-1.7Bar] containing diesel fuel, gasoline, fuel oil and lubricating oils.

Used in many applications such as construction equipment, stationary generators, boats, farm equipment and home heating.

**General Information & Features**

The 6500 Series Senior gauges are available in gear-action models for top, centerline or angle mounting. In lever-action models centerline mounting is only available.

The standard float is nitrile rubber. Aluminum or stainless steel floats are available at extra cost. The gauge is mounted to a mating Senior flange 2 ½" bolt circle [63,5mm] using four ¼"-28 x ⅜" long bolts. The gasket is Buna-N.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Action</th>
<th>Mounting</th>
<th>Dial, Sender or Switch Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>6540</td>
<td>Gear</td>
<td>Top</td>
<td>Senior TwinSite® Sender in choice of 0-30, 0-90, or 240-30 Ohm ranges. #5002S00062 direct-reading dials may also be used.</td>
</tr>
<tr>
<td>6543</td>
<td>Gear</td>
<td>C/L or Angle</td>
<td></td>
</tr>
<tr>
<td>L6543</td>
<td>Lever</td>
<td>C/L</td>
<td></td>
</tr>
<tr>
<td>6550</td>
<td>Gear</td>
<td>Top</td>
<td>Standard switch #5023S0778 S.P.S.T., 150 VAC/50 VDC ½ Amp. Please furnish tank drawings and switch points so proper gauge and calibration can be supplied. Other switches available, see DS-364.</td>
</tr>
<tr>
<td>6553</td>
<td>Gear</td>
<td>C/L or Angle</td>
<td>#5025S00570 Senior side-reading fractional</td>
</tr>
<tr>
<td>L6553</td>
<td>Lever</td>
<td>C/L</td>
<td>#5002S0062 Senior direct-reading fractional</td>
</tr>
<tr>
<td>6560</td>
<td>Gear</td>
<td>Top</td>
<td>#5002S00547 Senior direct-reading fractional</td>
</tr>
<tr>
<td>6580</td>
<td>Gear</td>
<td>Top</td>
<td></td>
</tr>
<tr>
<td>6583</td>
<td>Lever</td>
<td>C/L or Angle</td>
<td></td>
</tr>
<tr>
<td>L6583</td>
<td>Lever</td>
<td>C/L</td>
<td></td>
</tr>
</tbody>
</table>

**Lever Action Gauge**

- As Req'd
- 140° Standard Float Arc

**Gear Action Gauge**

- As Req'd
- 2 ½ B.C." [63,5]
- 150° Float Arc
- Top or Side Mount

See reverse side for dimensional data, materials of construction, performance, and advice on how to order.

The Measure of Excellence
General Specifications*

**Accuracy**
Accuracy depends upon proper gauge sizing. Senior dials ±6%, TwinSite® dials ±10%. Accuracy may be less depending upon tank shape. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

**Temperature Range**
-40°F to +158°F, -40°C to 70°C.

**Humidity**
Paint exposed portions of gauge, less dial, for marine applications.

**Shock & Vibration**
Suitable for mobile applications.

**Power**
0.5 watts maximum for TwinSite® versions.

**Tank Pressure**
Up to 25 psig [1.7Bar]

**Approvals**
These direct indicating gauges are UL listed for flammable liquids. Some models UL recognized for marine service.

Note: For installation instructions see MS-501/502 (mounting standard).

Materials of Construction*

**Head**
Die cast aluminum

**Centershaft, Support Tube & Float Rod**
Tempered aluminum

**Gears, Cross Stud & Bearings**
Stainless steel

**Drive Magnet**
Alnico

**Gear Housing**
Acetal plastic or aluminum

**Float**
Nitrile rubber

**Gasket**
Buna-N, 0015-00004 or 0015-00079

**Direct Reading Dial**
Aluminum with acrylic crystal, hermetically sealed.

**Side Reading Dial**
Aluminum with polycarbonate crystal, hermetically sealed.

**TwinSite® Sender**
Polyamide

**Mounting Bolts**
Zinc-plated steel ¼"-28 x ⅜" long.

When ordering, specify:
1. Gauge model number.
2. Tank diameter and riser height.
3. Mounting location.
4. Ohm range on TwinSite® versions.
5. Preferred switch on switch gauges, if other than standard.
6. Any listed options or preferences.

* Materials and specifications are subject to change without notice. Pressure ratings subject to change due to temperature and other environmental considerations.

01/29/16

The Measure of Excellence

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