Magnetic Liquid-Level Gauges

Application
The 8700 series gauges are used to measure water levels in all types of low-pressure, non-heated systems. Ideal for boats, recreational vehicles, campers, etc. NOTE: For hot or pressurized water service, see 8400 Series.

General Information & Features
The magnetic construction permits the complete sealing off of the inside liquid from the outside gauge head and dial allowing quick dial replacement without the loss of liquid or time.

The dial pointer is silicone-dampened. All dials, senders, and switches are instantly replaceable — there are just two screws to remove and replace.

The rugged gear drive is standard with shrouded, stainless steel, beveled gears designed to shed and work out any loose particles that might jam the gear action. From dial to head, body to float — all materials have been selected to provide outstanding durability in water-gauging applications.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Magnet</th>
<th>Available Dials</th>
</tr>
</thead>
<tbody>
<tr>
<td>8741</td>
<td>Large Alnico</td>
<td>Direct-reading dial or TwinSite™ sender. Choice of 0-30, 0-90, 240-30, 70-10 ohms.</td>
</tr>
<tr>
<td>8781</td>
<td>Small Alnico</td>
<td>Direct-reading dial only.</td>
</tr>
</tbody>
</table>

Adjustable Liquid-Level Gauges

General Information & Features
These water gauges are designed for top mounting only. They are equipped with float arms which are to be cut off to the proper length for the tank into which they will be installed. Data sheet DS-337 furnishes the proper cut lengths and instructions on how to install the float and crimp it in place.

This gauge has a 5-bolt SAE pattern flange which is attached to the tank with five #10 screws through a Buna-N gasket, #0015-00423.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Float Length</th>
<th>Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>8741-00008</td>
<td>20.5&quot; [520]</td>
<td>5323S01834 direct-read P5744S02541 TwinSite™ sender, 240-30 ohms.</td>
</tr>
<tr>
<td>8741-00020</td>
<td>26.0&quot; [660]</td>
<td></td>
</tr>
</tbody>
</table>
Magnetic & Adjustable Liquid-Level Gauges

**8700 Series**

**Magnetic Liquid-Level Gauges**
Standard direct-reading gauge with 5323S01792 dial

![Diagram of Magnetic Liquid-Level Gauge]

**Adjustable Liquid-Level Gauges**
P5636S02541 TwinSite™ Dial, 240-30 ohms

![Diagram of Adjustable Liquid-Level Gauge]

**Materials of Construction**

**Head**
Lightweight injection molded polyester SAE gasoline gauge flange (2 1/8" [54] bolt circle for five #10 screws, screws not furnished)

**Centershaft, Support, & Float Rod**
Brass

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

**Drive Magnet**
Nickel-plated alnico

**Gear Housing**
Acetal

**Float**
Nitrile rubber

**Gasket**
Buna-N, UL recognized material

**TwinSite™ Dial**
Hermetically sealed polycarbonate

**Direct Reading Dial**
Hermetically sealed nylon

**Dial Screws**
Plastite 0040-00479

**General Specifications** *

**Mounting**
Recommended for top mounting only

**Accuracy**
Depends on proper sizing of gauge and tank configuration. Normally ± 5% on direct reading and ±7% on TwinSite™ dial.

**Temperature Range**
Standard range is -40°F to 158°F, -40°C to 70°C

**Shock & Vibration**
Suitable for mobile applications

**Vibration**
Suitable for mobile applications

**Current**
200 mA maximum on TwinSite™ versions

**System Voltage**
1-24 volts on TwinSite™ version

**Tank Pressure**
0-10 psig [0 to 0, 68 Bar]

**Approvals**
UL recognized for marine water service

* Specifications subject to change without notice.
  Ratings subject to change due to temperature and other environmental considerations.

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When ordering, specify:
1. Gauge model number
2. Choice of dials

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**Part #** | **Description**
---|---
P5632S02539 | TwinSite™ Dial, 240-30 ohms

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**Part #** | **Description**
---|---
P5636S02541 | Wire Leads
P5744S02541 | .250 Male Tab
P5745S02541 | Marine Plug

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**Website** http://www.rochestergauges.com  •  **E-mail** info@rochestergauges.com