

# Adjustable Liquid-Level Gauges



## Applications

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 gauges may be easily converted remote output by simply installing the R3D replacement dial and plug-in Hall Effect sender module.

## General Information & Features

The 6500 Series Adjustable Senior gauges are available in gear-action models for top mounting.

The standard float is nitrile rubber. The gauge is mounted to a mating Seiorflange 2 1/2" bolt circle [63,5mm] using four 1/4"-28 x 9/16" long bolts. The gasket is Buna-N

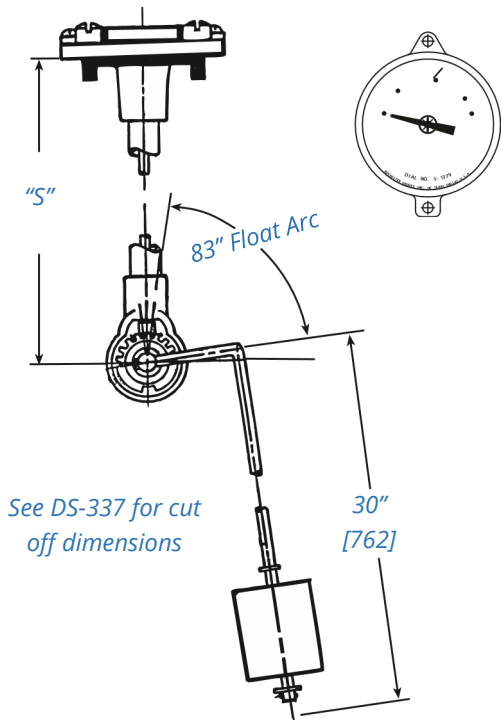
Models #	Mounting	Dial, sender or Switch Data	Support Length "S"
6580-0151	Top	5002S0`379 Senior direct-reading fractional dial	3"
6540-00090		5880S02547P (0-90 Ohms)	3"
6540-00252		5AVHS03213P (240-30 Ohms)	3-5/8"



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Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

**Direct reading gauge with 5002S01379 dial**



**General Specifications\***

**Accuracy**

Accuracy depends upon proper gauge sizing. Senior dials  $\pm 7\%$ , TwinSite® dials  $\pm 12\%$ . 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**

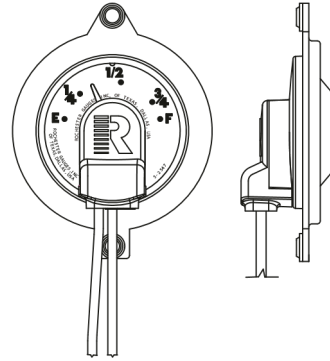
Up to 25 psig [1,7 Bar]

**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 standards).

**TwinSite® Dial, 0-90 ohms & 240-30 ohms**



Parts #	Description	Ohms
5880S0254	Wire Leads	0-90
5AVHS03213P	Wire Leads	240-30

**Materials of Construction\***

**Head**

Die cast aluminium.

**Centershaft, Support Tube & Float Rod**

Tempered aluminium.

**Gears, Cross Stud & Bearings**

Stainless Steel.

**Drive Magnet**

Alnico.

**Gear Housing**

Acetal plastic or aluminium.

**Float**

Nitrile rubber

**Gasket**

Buna-N, 0015-00004 or 0015-00079

**Direct Reading Dial**

Aluminium with polycarbonate crystal, hermetically sealed.

**Side Reading Dial**

Aluminium with polycarbonate crystal, hermetically sealed.

**TwinSite® Sender**

Polyamide.

**Mounting Bolts**

Zinc-plated steel ¼" -28 x 9/16" 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.

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