Magnetic Liquid-Level Gauge

Applications

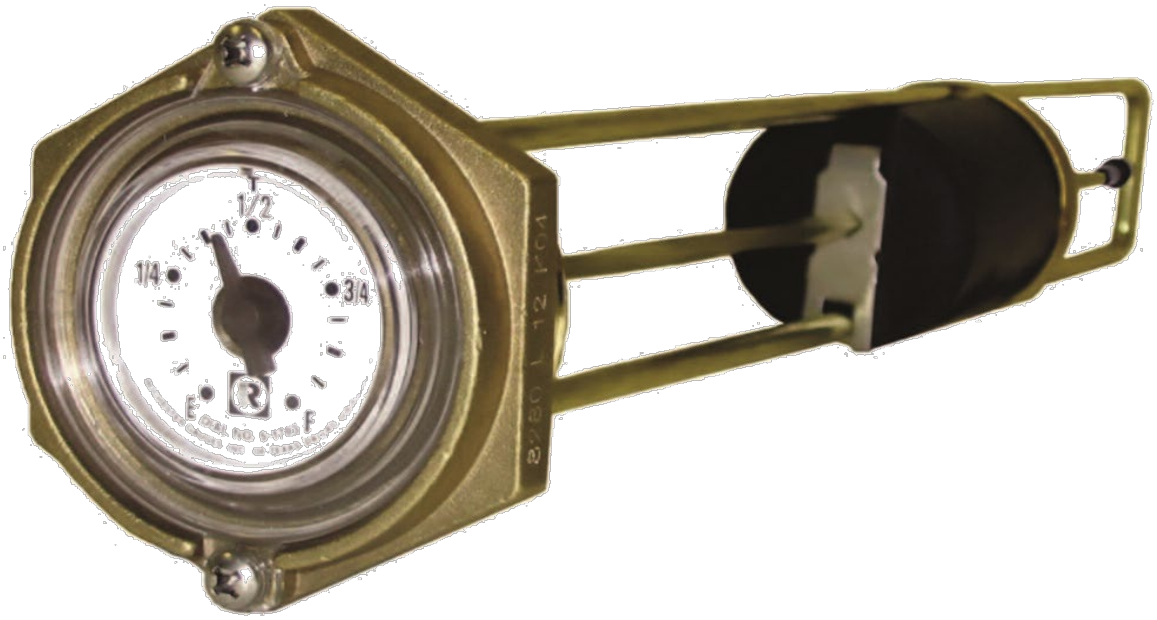
The brass and stainless-steel construction of the 8200 Series spiral gauge makes it suitable for use in marine applications ans in measuring levels of water, oil or fuel. They are also used in a variety of construction and maintenace vehicles such as road sweepers and water spray trucks.

General Information & Features

The model 8240 spiral gauge incorporates a strong nickel-plated NEO magnet. The magnet is capable of driving a TwinSite™ senderthat sends an electrical signal to a remote receiver and provides a direct, fractional reading.

The model 8260 spiral gauge is supplied with an easy-to-read side-view fractional dial. The model 8280 spiral gauge is equipped with a standard top reading fractional dial.

All 8200 Series spiral gauges have a 1 ½" MNPT tank connections, and are suitable for tank pressure up to 25 PSIG [1,7 Bar] maximum. They are designed for top mounting only in tanks up to 36° [914 mm] deep and some models are UL listed for flammable liquids.



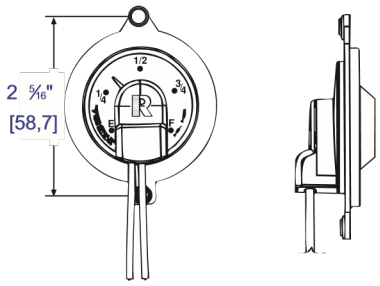
Models #	Sender or Dial Type
8240	Senior, TwinSite™ sender in choice of 0-30, 0-90, 240-30 Ohm ranges. Specify your preference when ordering.
8260	#5097S00570 side-reading Senior fractional dial
8280	#5844S01793 direct-reading Senior fractional dial

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

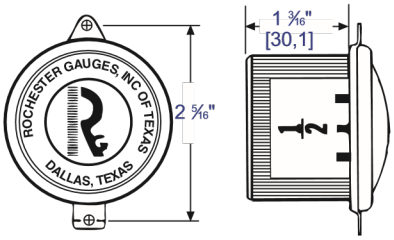
972-241-2161 | **info@rochestersensors.com** | **RochesterSensors.com**

Rochester Sensors
Engineering Innovative Solutions™

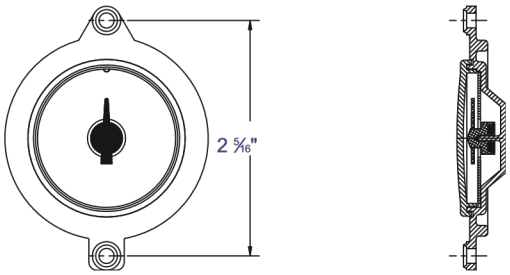
Senior Twinsite™ Sender (Specify Ohm range)



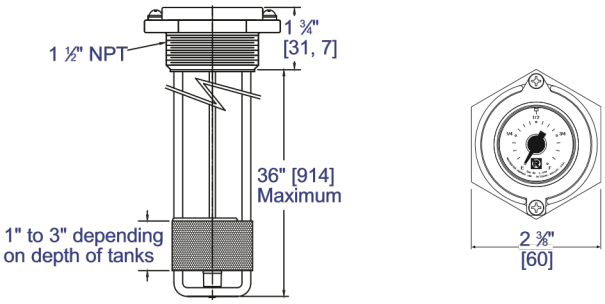
Senior Side-View Dial



Senior Dial



Standard Construction



General Specifications*

Mounting
Designed for top mounting only.

Accuracy
Accuracy depends upon proper gauge sizing. Direct read dials ±8%, TwinSite® dials ±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. 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
Standard operating range is -40°F to +158°F, -40°C to 70°C.

Humidity
Exposed portions is fully suitable for marine applications.

Shock & Vibration
Suitable for marine applications.

Power
0.5 watts maximum for TwinSite™ versions.

Tank Pressure
Up to 25 psig [0 to1,7 Bar]

Approval
Direct indicating gauge available UL listed for flammable liquids. Some models UL recognized for marine service.

Note: For gauge installation instructions see MS-516 Spiral.

Materials of Construction*

Head, Support Rod & Centershaft
Brass.

Tie Plate, Guide & Bearing Pin
Stainless steel.

Centershaft Holder & Magnet Bushing
Acetal.

Float
Nitrile rubber

Drive Magnet
Neo, nickel-plated

Standard Dial
Polycarbonate, hermetically sealed.

Side-view Dial
Aluminum with polycarbonate crystal, hermetically sealed.

TwinSite® Sender
Polyamide.

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

When ordering, specify:

1. Gauge model number.
2. Tank height.
3. Ohm range on Twinsite® versions.
4. Riser Height, if any.
5. Any special requirements.

WARNING:
Acrylonitrile, BPA
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

972-241-2161 | info@rochestersensors.com | RochesterSensors.com

Manufacturing Worldwide