



Magnetic, Liquid-Level Gauges for Farm Tanks

Applications

These lever-action gauges are designed primarily for use in stationary horizontal cylindrical farm tanks or other tanks with flat heads. They are to be mounted on the centerline in the middle of the head. The maximum recommended float length is 48" [1219mm]. They are available in either 1-1/4" MNPT or 1-1/2" MNPT versions.

General Information & Features

The float and rod assembly is normally shipped unassembled to the head assembly for maximum flexibility to your inventory. The float rod is cut to the proper length for each size tank, notched, then inserted into the sleeve attached to the short section of lever rod, and crimped for firm retention. The standard # 5001S00605 fractional dial is used in stationary tanks. If the gauge is to be used in a mobile tank, a #5002S00605 dampened fractional dial should be used. Other dials, calibrated in gallons or percentage, can be supplied on special order at extra cost. Field replacement of dials can be done without draining the tank by simply removing the dial screws, aligning a new dial and re-installing the screws, if needed.

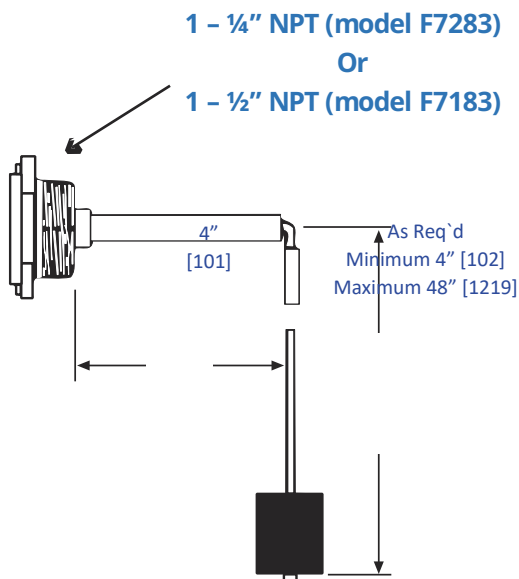
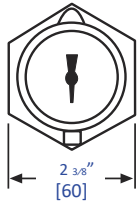


*Materials and specifications are subject to change without notice.

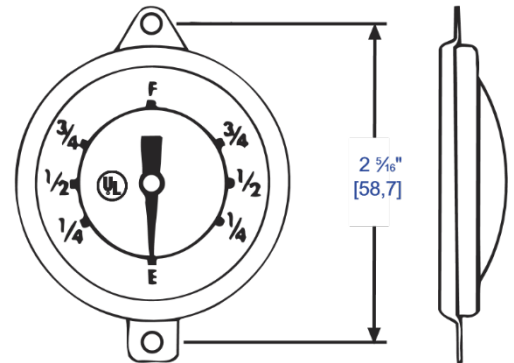
Pressure ratings are subject to change due to temperature and other environmental considerations.

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.

Lever-Action Design



Standard #5001S00605 Direct-Reading Dial (Hermetically Sealed)



General Specifications*

Mounting

Designed for mounting on flat ends of horizontal, cylindrical farm tanks

Accuracy

Accuracy depends upon proper gauge sizing and is typically $\pm 5\%$ of dial indication. Accuracy may be less for some tank shapes and sizes. 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

Standard operating range is -40°F to 158°F , -40°C to 70°C

Humidity

Exposed portion suitable for outdoor applications

Shock

Suitable for mobile applications

Vibration

Suitable for mobile applications

Tank Pressure

0 to 10 PSIG [0 to 0,68 Bar]

Approvals

U.L. listed for flammable liquids

Materials of Construction*

Head

Aluminum die-casting

Support Tube and Float Rod

Aluminum

Drive Magnet

Alnico

Bearings

Stainless steel

Float

Nitrile rubber

Dial

Aluminum with acrylic crystal

When Ordering:

1. Gauge Model Number
2. Tank height
3. Stationary or mobile application
4. Any special requirements*

Note: For installation instructions see MS-516.

For float arm attachment instructions see 115-1224.