



**ROCHESTER
GAUGES, INC.**

ISO 9001:2008 CERTIFIED

Magnetic, Liquid-Level Gauges for Farm Tanks

**F7183/
F7283**

***Magnetic, Liquid-Level Gauges
for Farm Tanks***

Application

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- $\frac{1}{4}$ " MNPT or 1- $\frac{1}{2}$ " 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.



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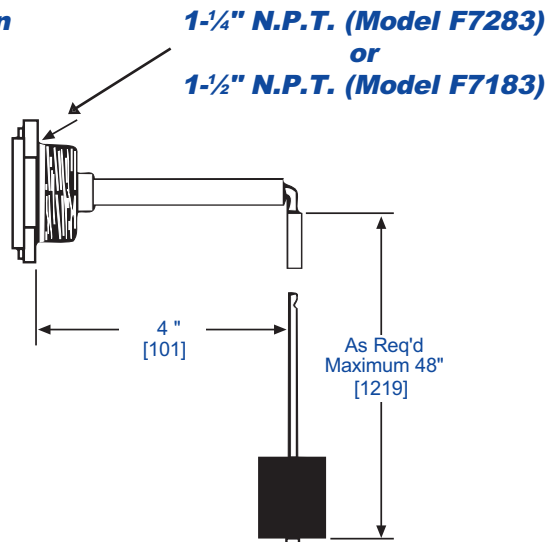
See reverse side for dimensional data, materials of construction, performance, and advice on how to order.

The Measure of Excellence

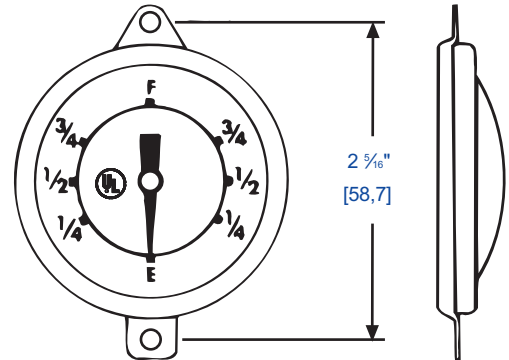
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Magnetic, Liquid-Level Gauges for Farm Tanks

Lever-Action Design



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



[METRIC]

General Specifications*

Mounting

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

Accuracy

Accuracy depends on proper sizing of gauge and tank configuration. Normally, accuracy is $\pm 5\%$.

Temperature

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

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
- 3)Any special requirements*

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

01/20/10