1” Magnetic Liquid-Level Gauges for LP Gas Service

Application

Gauging LP Gas levels in ASME tanks and DOT Cylinders.

General Information & Features

This series of 1” NPTF Junior gauges is avalailable with forged brass head.

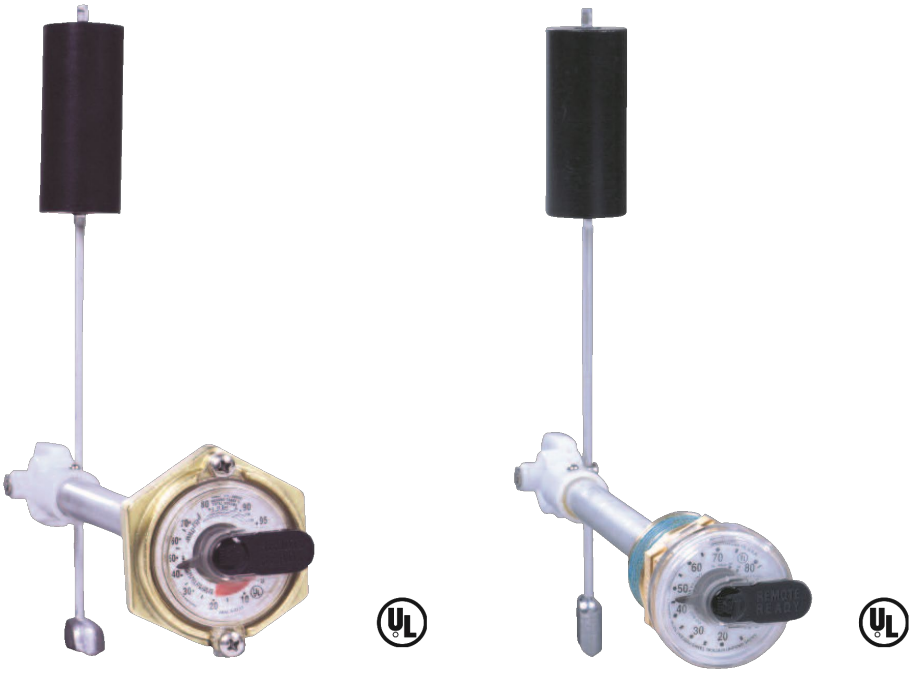
Now with R³D®

The Rochester Remote Ready Dial R³D®, is a magnetically-driven, Hall Effect compatible dial. Dials are utilized on stationary applications where direct reading plus an electrical signal to a remote fuel level monitor may be re quired.

Rochester’s Hall Effect Module is designed to snap-fit into the recess in the Remote Ready Dial lens. Once installed, the module can provide ratiometric voltage output proportional to the liquid volume inside the tank.

Model Selection Chart

Model	Head Material	Mounting	Dial Type
B8981	Brass	Top	R³D® Direct Read, Screw-on
B8981-02000			R³D® Direct Read, Snap-on



General Specifications*

Temperature Range
Extremes are -40°F to 158°F, -40°C to 70°C.

Working pressure
375 psig [25, 8 Bar].

Accuracy
Accuracy depends upon proper gauge sizing and is typically ±5% of R3D® dial indication. Accuracy may be less due to variations in liquid temperature. Accuracy may be less for some tank shapes and sizes. Accuracy may be less if tank is not level. Accuracy may be less near empty and full. This gauge is not to be used for filling. R3D® dial output voltage is typically ±4% of indicated reading. All accuracy estimates are percent of full scale.

Approvals
Gauge is UL listed for LP Gas service applications.
R3D® Module is UL Classified as intrinsically safe.

Materials of Construction*

Head
Brass forging.

Centershaft Bearings, Pinion Gear, Cross Stud & Bearing, Sector Gear
Stainless steel.

Gear Housing
Acetal.

Support, Centershaft, & Float Rod
Tempered aluminum.

Float
Nitrile rubber.

Counterweight
Lead.

Magnet
Neo.

Direct Reading Dials
Hermetically sealed polycarbonate.

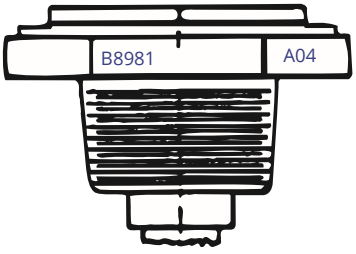
R³D® Direct Reading Dial
Hermetically sealed polycarbonate.

When ordering, specify:

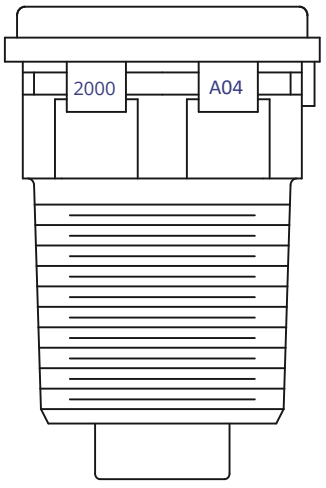
1. Specify tank diameter (shown on tank nameplate).
2. Specify the gauge mounting location.
3. State the type of cylinder, horizontal or vertical.
4. Specify the "H" dimension. This is the distance in inches from the surface of the tank to the top of the threaded opening.

To order replacement gauge, simply furnish the information stamped on the hex wrenching flats, as shown in the example.

Note: For installation instructions see DS-629.
For threaded gauge installation instructions see MS-516



Typical 1" gauge Model B8900
Dials are attached to head with two screws.



Typical 1" Snap-on gauge head Model B8900-0200
Snap-on Dials are attached to groove or recesses in head.

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