



**ROCHESTER  
GAUGES, INC.**

ISO 9001:2000 REGISTERED

## **1" Magnetic Liquid-Level Gauges For LP Gas Service**

**8900/  
B8900**

### **Application**

Gauging LP Gas levels in ASME tanks and DOT Cylinders.

### **General Information & Features**

This series of 1" NPTF Junior™ gauges is available with forged brass head.

#### **Now with R<sup>3</sup>D.**

The Rochester Remote Ready Dial, R<sup>3</sup>D, 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 required.

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.



**1" Magnetic Liquid-Level  
Gauges For LP Gas Service**

### **Model Selection Chart**

<b>Model</b>	<b>Head Material</b>	<b>Mounting</b>	<b>Dial Type</b>
B8981	Brass	Top	R <sup>3</sup> D Direct Read

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

05/16/07

*The Measure of Excellence*

**8900/B8900**

# Magnetic Liquid-Level Gauges For LP Gas Service

[METRIC]

## General Specifications\*

### Temperature Range

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

### Working pressure

375 psig [25, 8 Bar].

### Accuracy

Dependent on proper sizing of gauge and tank configuration. With direct-reading dials, overall accuracy is  $\pm 5\%$ . Hall Effect Module output is within  $\pm 4\%$  of indicated reading.

### Approvals

Gauge is UL listed for LP Gas service applications. R<sup>3</sup>D Module is UL Classified as intrinsically safe.

## 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 (data sheet).

## Materials of Construction\*

### Head

Zinc alloy die casting (8900 Series); brass forging (B8900 Series).

### 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 or plated steel.

### Magnet

Alnico.

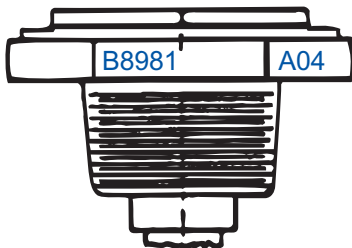
### Direct Reading Dials

Hermetically sealed polycarbonate.

### R<sup>3</sup>D Direct Reading Dial

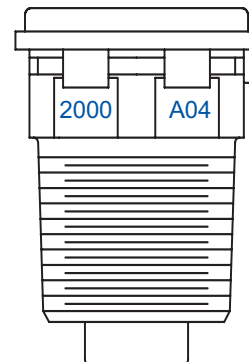
Hermetically sealed polycarbonate.

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



**Typical 1" gauge  
Model B8900**

Dials are attached to head with two screws.



**Typical 1" Snap-on gauge head  
Model B8900-02000**

Snap-On dials are attached to groove or recesses in head.