



**ROCHESTER  
GAUGES, INC.**

ISO 9001:2008 CERTIFIED

## **Magnetic Liquid Level Switch Gauges (Not UL Listed)**

**7550  
Series**

**Magnetic Liquid Level  
Switch Gauges**

### **Application**

These switch gauges are made of explosion-proof construction are for use in Class 1, Division 1, Group D locations involving LP--Gases and other flammable liquids. They are predominantly used to transmit a low liquid-level alarm for fuel tanks serving standby generators at unattended locations such as microwave relay stations.

### **General Information & Features**

The 7550 Series magnetic switch gauges are built to the high standards of Rochester designed instruments. The design utilizes a magnet to activate a reed switch at the required point. The switch can be easily replaced, if necessary, without loss of liquid or pressure.

Refer to Data Sheet #DS-364 for technical information on the full array of available reed switches.

Model 7550 is the top-mounting version.

Model 7553 is the centerline or angle version.

These switch gauges must be installed in 4-bolt Senior adaptors with 2 1/2" [63,5] bolt circle.



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

01/29/10

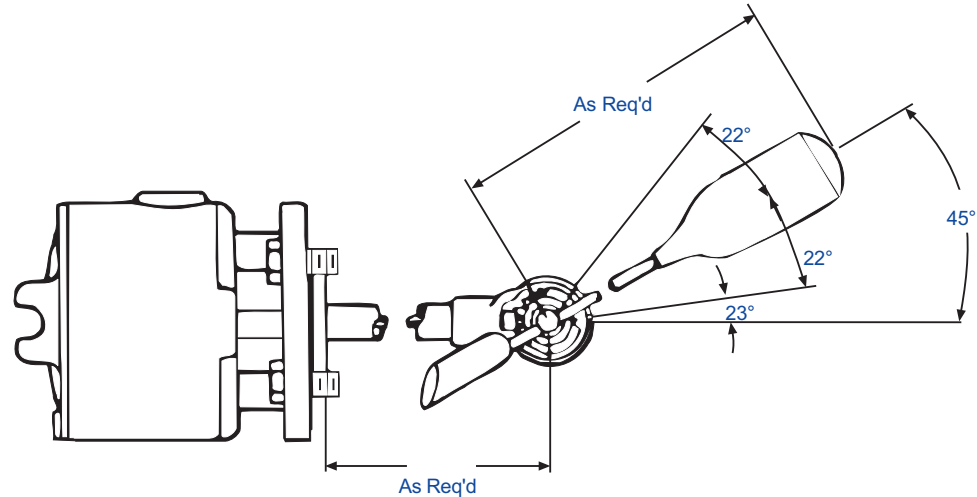
*The Measure of Excellence*

## 7550 Series

# Magnetic Liquid Level Switch Gauges

[METRIC]

### Dimensional Data



### General Specifications\*

#### Mounting

Available in top or centerline.

#### Switch

Operates with a maximum current of 0.5 amps resistive and maximum voltage of 140 VAC -50 VDC with maximum power of 10 watts. Single pole, single throw switch.

#### Adaptor

Gauges must be installed using forged steel adaptors. They have 4 holes to fit  $\frac{5}{16}$ " - 24 x  $\frac{7}{8}$ " bolts, furnished with gauges.

#### Pressure

Suitable for applications up to 450 PSIG [31 Bar]

#### Temperature Range

Standard operating range - 50° F to 200° F, -45C to 93C

### Materials of Construction\*

#### Head and Gear Housing

Diecast aluminum

#### Centershaft, Support Tube and Float Rod

Tempered aluminum

#### Gears, Cross Stud and Bearings

Stainless steel

#### Drive Magnet

Large alnico

#### Float Bulb

1-piece aluminum

#### Gasket

Buna-N (part number 0015-00004) UL recognized material

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

Adapter P/N	NPT Size
0022-00508	1 $\frac{1}{4}$
0022-05201	1 $\frac{1}{2}$
0022-05211	2

### When ordering, specify:

1. Gauge Model Number
2. Mounting position
3. Inside diameter of tank
4. Required switch point
5. The required adaptor
6. Riser height
7. Any obstructions within the tank.

01/29/10