



Magnetic Liquid-Level Gauge

Application

The 8700 series gauges are used to measure water levels in all types of low-pressure, non-heated systems. Ideal for boats, recreational vehicles, campers, etc. NOTE: For hot or pressurized water service, see 8400 Series.

General Information & Features

The magnetic construction permits the complete sealing off of the inside liquid from the outside gauge head and dial allowing quick dial replacement without the loss of liquid or time.

The dial pointer is silicone-dampened. All dials, senders, and switches are instantly replaceable — there are just two screws to remove and replace.

The rugged gear drive is standard with shrouded, stainless steel, beveled gears designed to shed and work out any loose particles that might jam the gear action. All materials have been selected to provide outstanding durability in water-gauging applications. Sealing between the gauge and the tank is achieved through the use of the 0015-00423 Buna-N gasket.

Model #	Magnet	Available Dials
8741	Large Alnico	Direct-reading dial or TwinSite® sender. Choice of 0-30, 0-90, 240-30 Ohms.
8781	Small Alnico	Direct-reading dial only.

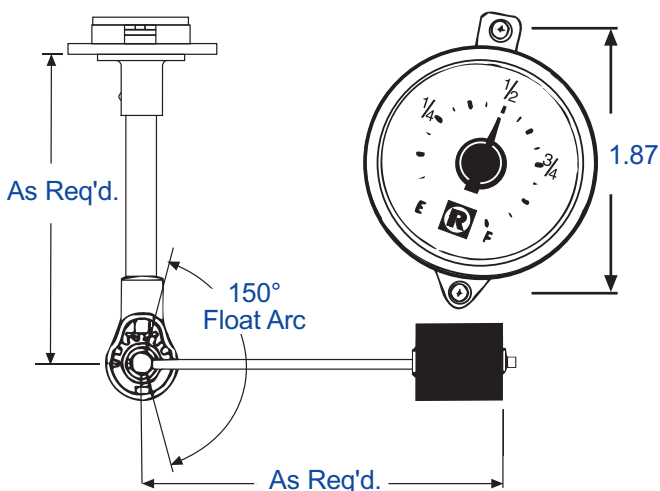


Model 8741 with Twinsite®

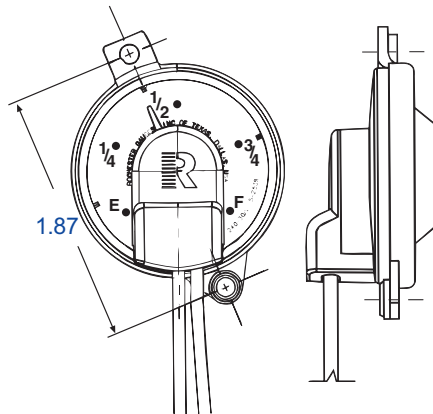
See reverse side for dimensional data, materials of construction, performance, and advice on how to order.

The Measure of Excellence

**Standard direct-reading gauge
with 5323S01792 dial**



**Twinsite® Dial, 0-30 ohms, 0-90 ohms
& 240-30 ohms**



Part #	Description	Ohms
P5632S02539	Wire Leads	240-30
P5712S02539	.250 Male Tab	
P5807S02626	Wire Leads	0-90
P5764S02611	.250 Male Tab	0-30

General Specifications *

Mounting

Recommended for top mounting only.

Accuracy

Accuracy depends upon proper gauge sizing. Junior dials $\pm 6\%$, TwinSite® dials $\pm 10\%$. Accuracy may be less depending upon tank shape. 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 Range

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

Shock

Suitable for mobile applications.

Vibration

Suitable for mobile applications.

Power

0.5 watts maximum for TwinSite® versions.

Tank Pressure

0-10 psig [0 to 0, 68 Bar].

Approvals

UL recognized for marine water service.

Note: For installation instructions see MS-514.

Materials of Construction*

Head

Lightweight injection molded polyester SAE gasoline gauge flange (2 1/8" [54] bolt circle for five #10 screws, screws not furnished).

Centershaft, Support, & Float Rod

Brass.

Gears, Cross Stud, & Bearings

Stainless steel.

Drive Magnet

Plated Alnico.

Gear Housing

Acetal.

Float

Nitrile rubber.

Gasket

Buna-N, 0015-00423.

Direct Reading Dial

Hermetically sealed polycarbonate.

TwinSite® Dial

Polyamide.

Dial Screws

Plastite 0040-00479.

When ordering, specify:

1. Gauge model number.
2. Tank depth.
3. Float orientation, 3 o'clock standard.
4. Details of any optional features.

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

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