

Adjustable Liquid-Level Gauges

Applications

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

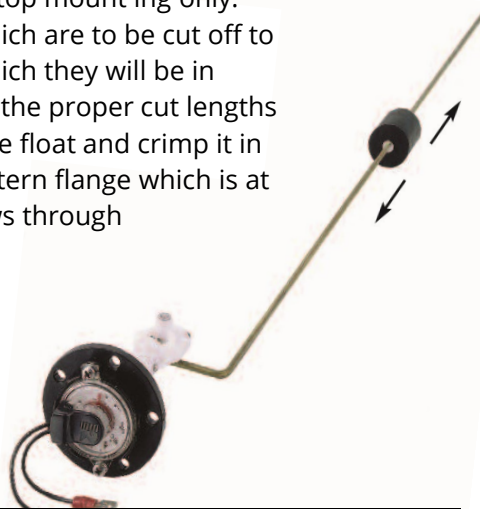
General Information & Features

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

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

The rugged gear drive is standard with shroud ed, stain less steel, beveled gears de signed 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-gaug ing ap pli ca tions.

These water gauges are designed for top mount ing only. They are equipped with float arms which are to be cut off to the proper length for the tank into which they will be in stalled. Data sheet DS-337 fur nish es the proper cut lengths and in struc tions on how to in stall the float and crimp it in place. This gauge has a 5-bolt SAE pattern flange which is at tached to the tank with five #10 screws through



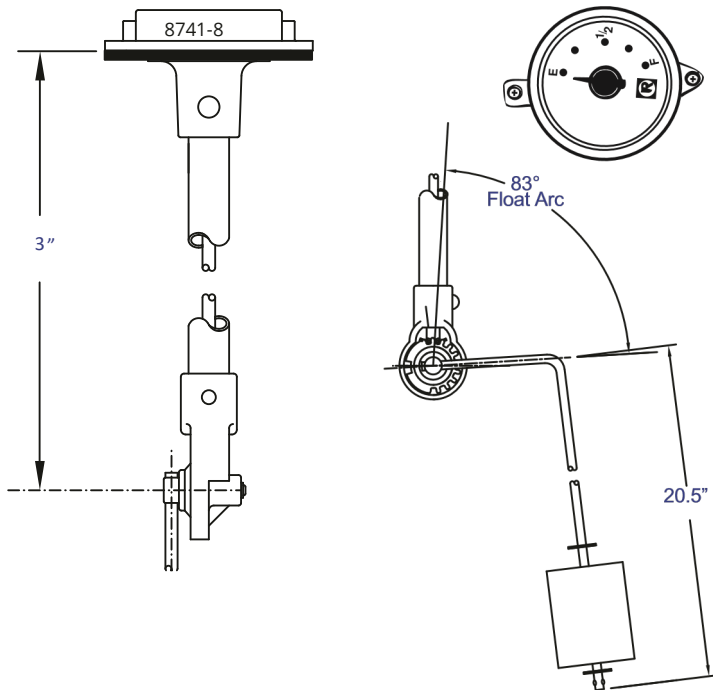
Model #	Magnet	Available Dials
8741	Large Alnico	Direct-reading dial or TwinSite® sender. Choice of 0-90, 240-30 Ohms.
8781	Small Alnico	Direct-reading dial only

Model Selection Chart

Model #	Float length	Available
8741-00008	20.5" [520]	5323S01834 direct-read P5744S02541 TwinSite® sender, 240-30 Ohms
8741-00020	26.0" [660]	

Tank Depth in Inches	Distance from Float Bend to Float Rod Cut-off point.
6	3"
7	3 3/4"
8	4 5/8"
9	5 5/8"
10	6 5/8"
11	7 5/8"
12	8 5/8"
13	9 3/4"
14	10 3/4"
15	11 3/4"
16	12 3/4"
17	13 3/4"
18	14 7/8"
19	15 7/8"
20	16 7/8"
21	17 7/8"
22	18 7/8"
23	20"
24	21"
25	22"
26	23"
27	24"
28	25 1/8"
29	26 1/8"
30	27 1/8"
31	28 1/8"
32	29 1/8"
33	30 1/4"
34	31 1/4"
35	32 1/4"
36	33 1/4"

Direct reading gauge with 5323S01834 dial



General Specifications*

Mounting

Recommended for top mounting only.

Accuracy

Accuracy depends upon proper gauge sizing. Junior dials $\pm 7\%$, TwinSite® dials $\pm 12\%$. 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 percentage of full scale.

Temperature Range

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

Shock & Vibration

Suitable for mobile applications.

Power

0.5 watts maximum for TwinSite® versions.

Tank Pressure

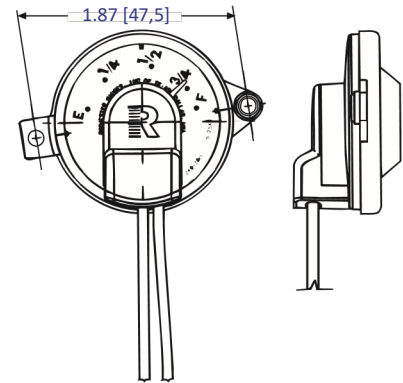
0-10 psig [0 to 0, 68 Bar].

Approvals

UL recognized for marine water service.

Note: for installation instructions see MS-533.

TwinSite® Dial, 0-90 ohms or 240-30 ohms



Part #	Description	Ohms
P5636S02541	Wire Leads	240-30
P5744S02541	250 Male Tab	
P5872S02684	Wire Leads	0-90

Materials of Construction*

Head

Lightweight injection molded polyester SAE gasoline gauge flange (2 1/8" [25] bolt circle for five #10 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. Choice of dials.

*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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