

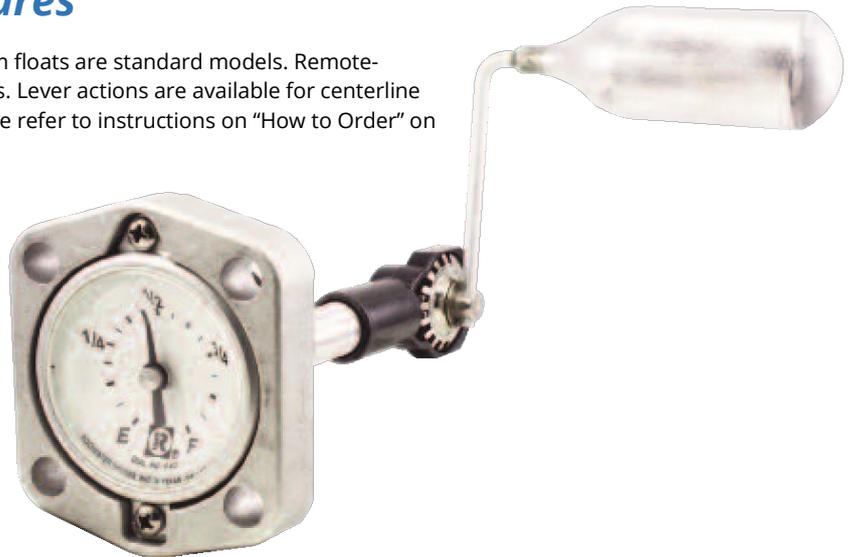
# Magnetic Liquid-Level Gauges for Industrial Service

## Applications

M6200 Series gauges are widely used to measure liquid levels of fuels, hydraulic fluids, refrigerants, lube oils and cryogenic products in pressurized tanks, columns or vessels up to 300 PSIG [20,7 Bar]. Stainless steel mounting bolts are optional.

## General Information & Features

Direct-reading fractional dials, gear actions and aluminum floats are standard models. Remote-reading TwinSite® senders are available for some models. Lever actions are available for centerline mounted models. Nitrile rubber floats are optional. Please refer to instructions on "How to Order" on reverse side of this technical data sheet.



Models #	Type	Mounting	Standard Direct Reading Dial	Remote-to-Reading Sender
M6281	Jr.	Top	5323S01793	N/A
M6240	Sr.	C/L or Angle	N/A	Specify 0-90 or 240-30 Ohm Twinsite® Sender
M6243		Top	5025S00570 (Side Reading)	N/A
M6260		C/L or Angle	5002S00062	
M6280		Top	5013S00456 (4")	
M6283		C/L or Angle		
M6290		Top		
M6293	C/L or Angle			
M6250	Sr.	Top	Standard Switch #5023S00778, S.P.S.T., 150 VDC, 1/2 Amp. Please furnish tank drawings and switch points so proper gauge and calibration can be supplied. Other switches available, see DS-364.	
M6253	Switchgauge	C/L or Angle		

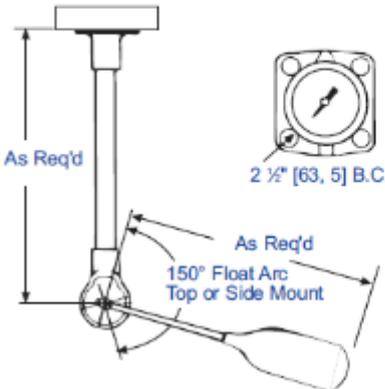
## Applications

1. For a nitrile rubber float, suitable for pressures up to 50 PSIG maximum or 250 PSIG maximum (specify if over 50 PSIG) in place of standard aluminum float, change prefix "M" to "N".
2. For lever action on C/L mounted gauges only, instead of gear action, add prefix "L" to the model number.
3. Neoprene Senior gasket, part number 15-836.
4. Viton Senior gasket, part number 15-415
5. Teflon Senior gasket, par number 15-401

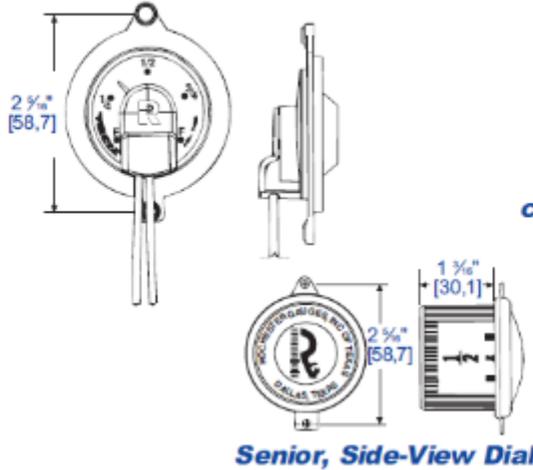
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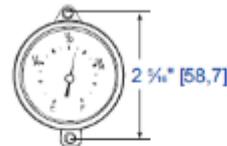
**Gear Action, available on all models (Sr. Head shown)**



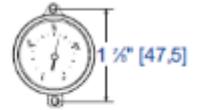
**Senior, Twinsite® Sender**



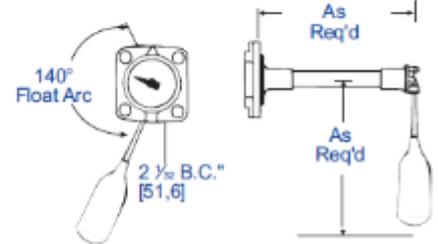
**Senior Dial**



**Junior Dial**



**Lever Action, available on all centerline models (Jr. Head shown)**



**General Specifications\***

**Mounting**

Gear-action gauges are suitable for top, side, end or angle mounting. Lever-action gauges are suitable for centerline mounting on flat end of tank only.

**Accuracy**

Accuracy depends upon proper gauge sizing. Junior and Senior dials are ±6%, TwinSite® dials are ±10%. Accuracy may be less for some tank shapes and sizes. 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**

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

**Humidity**

For high humidity and marine applications, painting of exposed portion of gauge, less dial, is recommended.

**Shock**

Passes MIL-S-901 B Naval Standard Shock test.

**Vibration**

Passes MIL-STD-167 Naval Standard Vibration test.

**Power**

0.5 watts maximum for TwinSite® versions.

**Tank Pressure**

Up to 300 PSIG [20,7 Bar] with standard aluminium float and steel mounting bolts; up to 450 PSIG [31 Bar] with standard aluminium float and stainless-steel mounting bolts.

**Approvals**

Model M6200 direct indicating gauges are available with UL listing for flammable liquids. Models M6253 and M6283 are UL recognized refrigeration components.

**Note:** For installation instructions see MS-501/502 (Mounting standards).

**Materials of Construction\***

**Head**

Die-cast aluminium.

**Gear Housing**

Die-cast aluminium or acetal

**Centershaft, Support Tube & Float Rod**

Tempered aluminium.

**Gears, Cross Stud & Bearings**

Stainless steel.

**Drive Magnet**

Alnico.

**Float**

One-piece aluminium is standard. Nitrile rubber available.

**Gasket**

UL recognized Buna-N (#15-7 Jr. gasket and #15-4 Sr. gasket).

**Standard Direct-Reading Dial**

Jr. dial is hermetically sealed polycarbonate.

Sr. dial is aluminium with acrylic crystal, hermetically sealed.

**Side-Reading Dial**

Aluminum with polycarbonate crystal, hermetically sealed.

**TwinSite® Dial**

Polyamide.

**4" Dial**

Aluminum housing, dial and bezel with glass crystal, hermetically sealed.

**Mounting Bolts**

Zinc-plat ed steel.

(Jr. are 1/4" -28 x 7/8" long; Sr. are 5/16" -24 x 7/8 long).

**When ordering, specify:**

1. Gauge model number.
2. Tank diameter and riser height.
3. Mounting location.
4. Ohm range on TwinSite® versions
5. Preferred switch on switch gauges, if other than standard
6. Any listed options, or unlisted preferences.

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