

Standard Alloy Versions – Standard Size

- ▶ Temperatures to 750°F (399°C)
- ▶ Pressures to 700 PSI (48 bar)

Rugged, welded construction makes these 2-1/2" (63.5 mm) diameter design, alloy SureSite Indicators dependable over a long service life indoors and out.

1. Mounting Configuration Types

To choose the best configuration for your application, focus on the process connections (connections where the liquid typically enters/leaves the SureSite).

	Type AA Top and Bottom Process Connections	Type BA Side and Side Process Connections	Type CA Top and Side Process Connections	Type DA Side and Bottom Process Connections
Typical Lengths*	C to C = L + 10-1/4" (260.4 mm)	C to C = L	C to C = L + 3-3/4" (95.2 mm)	C to C = L + 6-1/2" (165.1 mm)
Flag Material	Plastic (300°F/148.9°C) or Aluminum (750°F/399°C)			
Length of Indication (Uninterrupted)	240" (610 cm)			
Minimum Specific Gravity	0.39			

* Dimensions vary due to connections, material and specific gravity.

Note: Additional materials, floats, connections and manufacturing techniques are available to extend lengths and operational capabilities. Please contact GEMS Sensors if the parameters above do not meet your requirements.

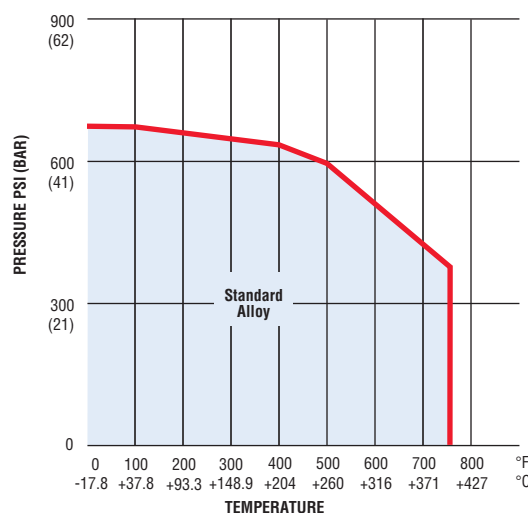
2. Material

Housing and Float: 316 Stainless Steel
Pressure/Temperature performance parameters for alloy SureSite versions are specified in the chart at right.
Please consult the factory with temperature/pressure requirements that fall outside the parameters shown here.

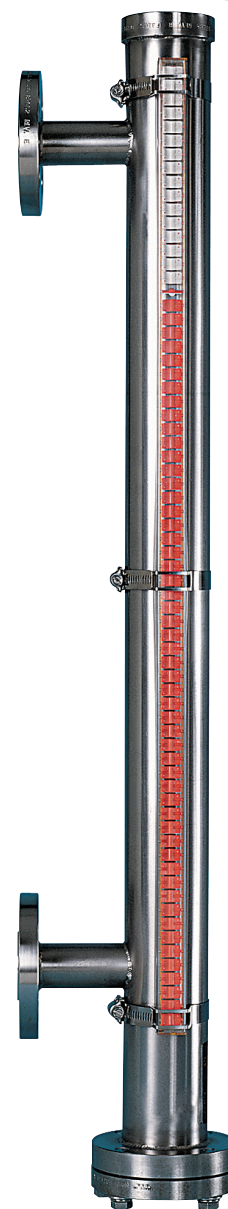
= Stock Material (Best economy and delivery).

Materials		Code
Housing	Float	
316L Stainless Steel	316L Stainless Steel	2
Carpenter 20	Hastelloy C276	3*
Hastelloy C276	Hastelloy C276	4*

* Consult factory for pressure/temperature capabilities.



Note: SureSite Indicators are available for temperatures as low as -200°F (-129°C).



Type BA Shown


LEVEL INDICATORS – VISUAL

3. Connection Codes

(See complete descriptions below)


(See complete descriptions below)

TOP




T

SIDE




Sa

SIDE











Sb

BOTTOM



B

Blind		NPT				Flange	
		Fixed		Removable		Fixed	Removable
Fixed	Removable	Female	Male	Female	Male		
 T1	 T2	 T3	 T5	 T6	 T8	 T9	 T10

Blind

NPT





Flange

S1

S2

S3

S4

Blind	NPT		Flange
	Male	Female	
 S1	 S2	 S3	 S4

Blind

NPT

Flange

B1

B2

B3









B5

B6

B8

B9

B10

Blind		NPT				Flange	
		Fixed		Removable		Fixed	Removable
Fixed	Removable	Female	Male	Female	Male		
 B1	 B2	 B3	 B5	 B6	 B8	 B9	 B10

—Connection Codes and Material background-shaded in this color are stocked by Gems. Select these connections where possible to obtain the most economical SureSite Indicators with a prompt 3-day delivery.

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Connection Code Descriptions

Please provide all connections when completing the Order! Product Check List (located on the following page).

Note: Before selecting your connections, consider incorporating your vent and drain requirements.

T & B (Top and Bottom)

- T/B 1. Welded pipe cap
- T/B 2. Standard fixed flange/blind mating flange
- T/B 3. Welded pipe cap w/FNPT
- T/B 5. Welded pipe cap w/MNPT nipple
- T/B 6. Standard fixed flange/mating FNPT reducing flange
- T/B 8. Standard fixed flange/mating flange with MNPT nipple
- T/B 9. Welded pipe cap with ANSI flange
- T/B 10. Standard fixed flange/mating reducing flange spool

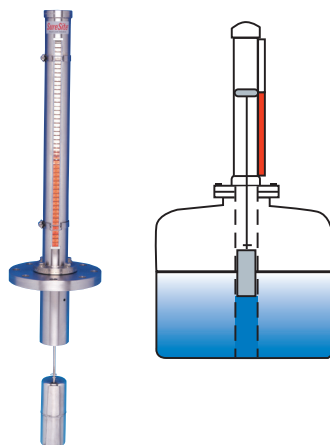
Sa & Sb Sides

- S1. No connection
- S2. MNPT nipple
- S3. FNPT coupling
- S4. ANSI flange



Top Mount Units

When it's not practical to access the side of a tank for liquid monitoring, look to SureSite Top Mount Indicators for the solution. Please consult with the factory for these specially configured indicators **1-800-378-1600**.




Need it quick? Choose materials and components with the color shading for 3-Day manufacturing and shipping. See the Product Configurator section at www.gemssensors.com for further details.

Accessories – Pages D-16 to D-18

Make more of your SureSite® Indicator with the productivity-enhancing accessories found at the end of this section.

- **Indicating Scales**
Add graduations to your flag indication.
- **Switch Modules**
Control pumps, valves, alarms, etc. Mount externally on housing for infinite positioning.
- **Continuous Output Transmitters**
Signal conditioned for compatibility with most electronic instruments to 300°F (149°C).

 <p>Photocopy This Form Use one form for each product type you are selecting.</p> <p><small>This form may also be completed online at gemssensors.com for RFQ.</small></p>	<p>This is a <input type="checkbox"/> Request for a Quote Name _____</p> <p style="padding-left: 100px;"><input type="checkbox"/> Order P.O.# _____ Company _____</p> <p>Quantity Needed _____ Street _____</p> <p>Date Required ____/____/____ City _____ State ____ Zip _____</p> <p>Shipping Method: _____ Phone (____) _____</p> <p>Partials Accepted: <input type="checkbox"/> Yes Fax (____) _____</p> <p style="padding-left: 100px;"><input type="checkbox"/> No</p>
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SureSite Indicators, Alloy Versions – Standard Size

Process Conditions

This information is essential to the accurate and proper operation of your SureSite® Visual Level Indicators. Please complete fully and accurately.

- | | |
|---|---|
| <p>1. Pressure: Operating _____ psig Maximum _____ psig</p> <p>2. Temperature: Operating _____ °F Maximum _____ °F</p> <p>3. Liquid Media: _____</p> | <p>4. Specific Gravity @ Operating Condition: _____</p> <p>5. Viscosity: _____ SSU</p> <p>6. Application Location: <input type="checkbox"/> Indoors <input type="checkbox"/> Outdoors</p> |
|---|---|

Physical Configuration

1. Mounting Configuration Types:

- ☐ Type AA ☐ Type BA ☐ Type CA ☐ Type DA

2. Housing and Float Material

- ☐ Code 2 ☐ Code 3 ☐ Code 4

3. Connection Codes – Complete all 4 connection code lines. Check off NPT or Flange size where appropriate.

▼ Connection Code Number Goes Here. **Connection Code Numbers and their descriptions are on Page D-8.**

Top T	NPT	Flange	
	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 150# (RF) <input type="checkbox"/> 600# (RF) <input type="checkbox"/> Other _____
Side Sa	NPT	Flange	
	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 150# (RF) <input type="checkbox"/> 600# (RF) <input type="checkbox"/> Other _____
Side Sb	NPT	Flange	
	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 150# (RF) <input type="checkbox"/> 600# (RF) <input type="checkbox"/> Other _____
Bottom B	NPT	Flange	
	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 1/2" <input type="checkbox"/> 1" <input type="checkbox"/> 2" <input type="checkbox"/> Other _____	<input type="checkbox"/> 150# (RF) <input type="checkbox"/> 600# (RF) <input type="checkbox"/> Other _____

- 4. Length of Visual Indication – L:** _____ inches (240", Max.).
 Connection to Connection Dimension – C to C: _____ inches.

5. Flag Type

- Plastic flags available to 300°F (149°C).
 Aluminum flags only for temperatures to 750°F (399°C).
☐ Plastic (Orange and White) ☐ Aluminum (Black and Silver)
☐ Non-Standard; Specify: _____ consult factory.

Special Instructions (Materials, Connections, etc.)

Accessories (Pages D-16 to D-18)

- 1. Transmitters** (Continuous Electrical Indication):
☐ Low Temperature – 300°F (149°C) ☐ Explosion-Proof
☐ High Temperature – 750°F (399°C)
- 2. J-Box/Signal Conditioners Accessories:**
☐ Terminal Strip ☐ 4-20 mA Output
☐ 0-12 VDC Output ☐ 0-5 VDC Output
- 3. Power Supply:** (Optional)
☐ 115 VAC (Input) /24 VDC (Output)
☐ 230 VAC (Input) /24 VDC (Output)

- 4. Switch Modules** (Single Point): _____ Quantity (only if required)
 a. ☐ SPST ☐ SPDT ☐ DPDT 120 VAC ☐ DPDT 24 VDC
 b. ☐ Standard – 300°F (149°C) ☐ Explosion Proof
☐ High Temperature – 750°F (399°C)

5. Indicating Scales:

- ☐ Feet and Inches ☐ Inches ☐ Metric ☐ Blank
☐ Custom Graduations; specify: _____

Please contact GEMS Sensors Inc. for any configuration or special requirements not covered on this form. **800-378-1600**

Quote: \$ _____ Date Quoted: ____/____/____



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