

Engineered Plastics Versions – Standard Size

- ▶ Temperatures to 280°F (139°C)
- ▶ Pressures to 150 PSI (10.3 Bar)
- ▶ Up to 19 feet (5.8 meters) of continuous visual indication

The 2" Schedule 80 pipe design is ideal for use on chemical storage tanks, or with almost any liquid where temperature and pressure requirements are moderate. All SureSite Indicators feature the same patented flag and guide assemblies used on our alloy versions, so you can be assured of excellent visibility and long-life reliability.

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 AP Top and Bottom Process Connections	Type BP Side and Side Process Connections	Type CP Top and Side Process Connections	Type DP Side and Bottom Process Connections
L = Length of Visual Indication				
Typical Lengths*	C to C = L + 11" (279 mm) Overall Length = C to C	C to C = L + 8" (203 mm) Overall Length = C to C + 11" (279 mm)	C to C = L + 9.5" (241 mm) Overall Length = C to C + 5-1/2" (140 mm)	C to C = L + 9.5" (241 mm) Overall Length = C to C + 5-1/2" (140 mm)
Flag Indicator Material	Plastic			
Length of Indication, Max.	228" (579 cm)			

* Dimensional data varies 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

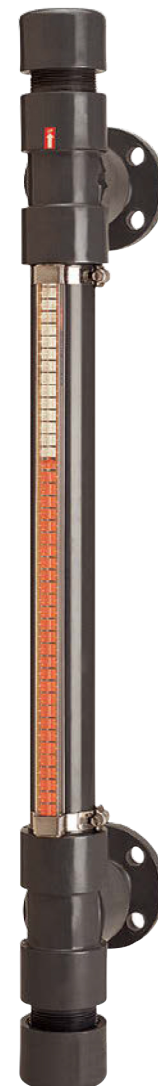
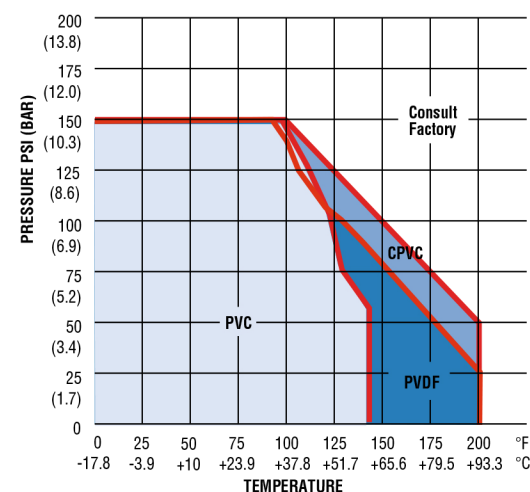
Select desired material from those tabulated below. Mark the Code Number on your OrderIt! Check List. The pressure/temperature performance parameters are specified in the charts at right. Consult the factory with pressure/temperature requirements that fall outside the parameters shown here.

Materials	Code
Housing & Float	
PVC	1
Clear PVC Housing/ PVC Float	1A*
CPVC	2
PVDF	4

* 2" Schedule 40 pipe

= Stock Material
(Best economy and delivery).












Pressure/Temperature Performance








Type BP Shown












3. Connection Codes

(See complete descriptions below)

TOP 	Blind		NPT						Flange	
			Fixed		Removable				Fixed	Removable
	Fixed	Removable	Female	Male	Male		Female			
	 T1	 T2	 T3	 T4	 T5	 T6	 T7	 T9	 T10	 T11

SIDE 	Blind		NPT		Flange
			Male	Female	
	Fixed	Removable			
	 S1	 S2	 S3	 S4	

— Connection Codes and Materials background-shaded in this color are stocked by Gems. Select these connections where possible to obtain the most economical SureSite Indicators.

BOTTOM 	Blind		NPT						Flange	
			Fixed		Removable				Fixed	Removable
	Fixed	Removable	Female	Male	Male		Female			
	 B1	 B2	 B3	 B4	 B5	 B6	 B7	 B9	 B10	 B11

Connection Code Descriptions

Please provide all connections when completing the Order! Product Check List.

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

T & B (Top and Bottom)

- T/B 1. Welded cap
- T/B 2. Threaded cap (PVC/CPVC only)
- T/B 3. Fixed flange/blind mating flange
- T/B 4. Welded coupling/FNPT
- T/B 5. Welded coupling/MNPT
- T/B 6. Threaded union/MNPT
- T/B 7. Fixed flange/mating flange MNPT
- T/B 9. Fixed flange/mating flange/FNPT
- T/B 10. Welded coupling flange
- T/B 11. Threaded union flange


Sa & Sb (Sides)

- S1 – Blind–No Connection
- S2 – MNPT nipple
- S3 – FNPT coupling
- S4 – ANSI flange

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.

 <p>Photocopy This Form Use one form for each product type you are selecting.</p>	<p>This is a <input type="checkbox"/> Request for a Quote Name _____ <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 (____) _____ <input type="checkbox"/> No</p>
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SureSite Indicators, Engineered Plastic 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 AP ☐ Type BP ☐ Type CP ☐ Type DP

2. Housing and Float Material:

☐ Code 1 ☐ Code 1A ☐ 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-14.**

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# (FF) <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# (FF) <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# (FF) <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# (FF) <input type="checkbox"/> Other _____

4. Length of Visual Indication – L: _____ inches (228", Max.).

Connection to Connection Dimension – C to C: _____ inches.

5. Flag Type: Plastic (Orange and White)

Special Instructions (Materials, Connections, etc.)

Accessories (Pages D-16 to D-18)

1. Transmitters (Continuous Electrical Indication):

☐ Standard – 300°F (149°C) ☐ Explosion-Proof

2. J-Box/Signal Conditioners Accessories:

☐ Terminal Strip ☐ 4-20 mA Output ☐ 0-5 VDC Output
☐ 0-12 VDC Output

3. Power Supply: ☐ 115 VAC (Input) /24 VDC (Output)
 (Optional) ☐ 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) ☐ High Temperature
☐ Explosion Proof

5. Indicating Scales:

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

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

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

