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.

ORDER IT!

Ordering is Easy! See Page D-12.
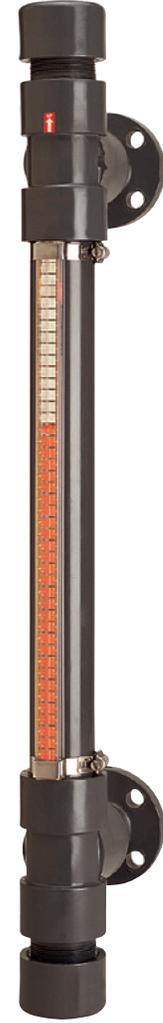*Easy online ordering too!*

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	Type BP	Type CP	Type DP
	Top and Bottom Process Connections	**Side and Side** Process Connections	**Top and Side** Process Connections	**Side and Bottom** Process Connections
L = Length of Visual Indication				
Typical Lengths*	C to C = L + 11″ (279 mm)	C to C = L + 8″ (203 mm)	C to C = L + 9.5″ (241 mm)	C to C = L + 9.5″ (241 mm)
	Overall Length = C to C	Overall Length = C to C + 11″ (279 mm)	Overall Length = C to C + 5-1/2″ (140 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.
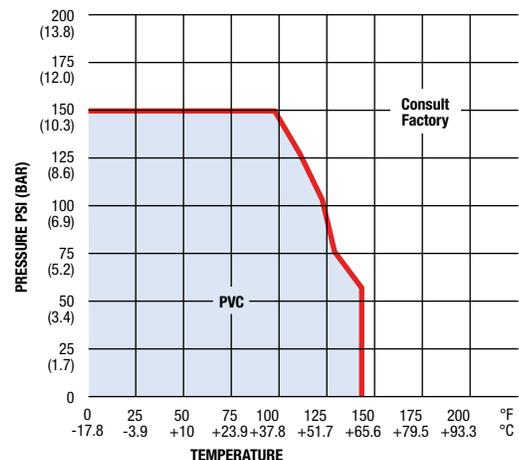
Type BP Shown

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*

* 2″ Schedule 40 pipe

☐ = Stock Material
(Best economy and delivery).

Pressure/Temperature Performance

3. Connection Codes
(See complete descriptions below)

TOP — T

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

SIDE — Sa

SIDE — Sb

	Blind	NPT		Flange
		Male	Female	
	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 — B

	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 OrderIt! 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 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-17 to D-19

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.

LEVEL INDICATORS – VISUAL

FAX IT!
860-747-4244

Photocopy This Form
Use one form for each product type you are selecting.

This is a ☐ Request for a Quote
☐ Order P.O.# _____

Quantity Needed _____

Date Required ____/____/_____

Shipping Method:_____

Partials Accepted: ☐ Yes
☐ No

Name _____

Company _____

Street _____

City _____ State _____ Zip_____

Phone (_____) _____

Fax (_____) _____

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.

1. Pressure: Operating _____ psig   Maximum _____ psig

2. Temperature: Operating_____ °F   Maximum _____°F

3. Liquid Media: _____

4. Specific Gravity @ Operating Condition: _____

5. Viscosity: _____ SSU

6. Application Location: ☐ Indoors ☐ Outdoors

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

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-11.**

Top **T**	NPT	Flange
	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____ ☐ 150# (FF) ☐ Other _____

Side **Sa**	NPT	Flange
	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____ ☐ 150# (FF) ☐ Other _____

Side **Sb**	NPT	Flange
	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____ ☐ 150# (FF) ☐ Other _____

Bottom **B**	NPT	Flange
	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____	☐ 1/2″ ☐ 1″ ☐ 2″ ☐ Other _____ ☐ 150# (FF) ☐ Other _____

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

5. Flag Type: Plastic (Orange and White)

Special Instructions (Materials, Connections, etc.)
_____

_____

Accessories (Pages D-17 to D-19)

1. Transmitters (Continuous Electrical Indication):
☐ Standard – 300°F (149°C)

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

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:____/____/____

ORDER IT!

Gems™
Sensors & Controls