

SureSite® Visual Liquid Level Indicators

...the safe alternative to cloudy, breakable sight glasses.

High Visibility—Brilliantly colored flags are easy to read, even at great distances. The indicator is isolated from the measured media; therefore, SureSite Indicators can be used where sight glasses are not even a consideration.

Durability—Stainless steel, PVC, CPVC, Polypropylene, PVDF, Hastelloy or other exotic housings, whatever the media requirements, provide years of maintenance-free service.

Environmentally Safe—Monitored liquid is contained inside a pressure-tight housing.

Efficient—Continuous level indication without external power.

Electronic Control—Attach optional point level switches and/or continuous level transmitters to extend capabilities beyond those of a simple sight glass.

SureSite Indicators may be configured to suit most tanks or liquid media—from a simple, stand-alone level indicator to an integrated electronic component for use within a process control system. A fully equipped version is shown at right.

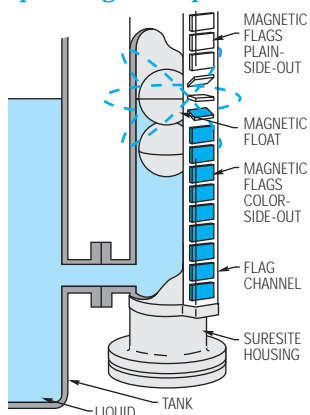
GEMS offers numerous options to provide versatility and to extend or enhance the operation of these indicators. Indicating Scales, for example, add a numerical reference to the standard visual display; Switch Modules provide low-, high- or intermediate-level alarms or control logic and Continuous Level Transmitters send signals to remote receivers, recorders and controllers. A wide range of materials, sizes and connection fittings are available.

In addition, GEMS provides many manufacturing options such as special welding methods, custom configurations, non-standard flange sizes and exotic materials. Don't hesitate to call for special requirements not addressed in this catalog.

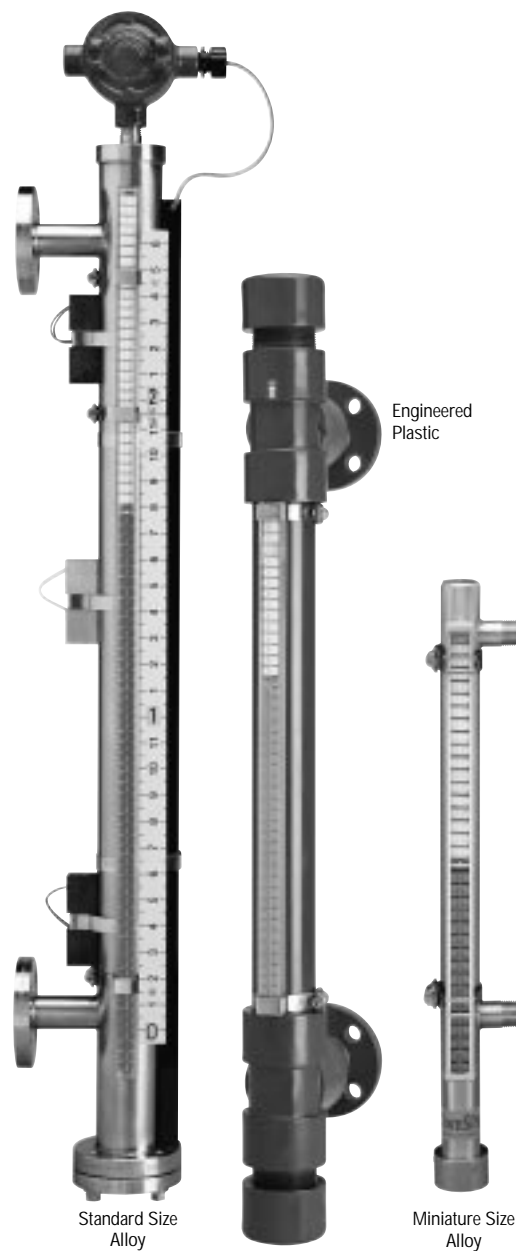
GEMS Serves the OEM and End User

GEMS welcomes any size order...whether a single unit or 100 units or more. GEMS commitment is to meet your most stringent requirements of price, delivery and quality.

Operating Principle



As liquid level rises, a magnet-equipped float within the unit inverts the magnetic flags in the external indicator to "color-side-out." The flags remain magnetically interlocked in a column until again inverted to "contrasting-side-out" by the float as liquid level falls. Liquid level is indicated by the junction of the "color" and "contrasting" portions of the column.



SureSite® Indicators in the Process...

Many applications require high temperature/pressure capabilities, or strict adherence to industry standards such as

- ANSI/ASME
- CRN
- NACE
- CENELEC
- CSA
- FM
- UL

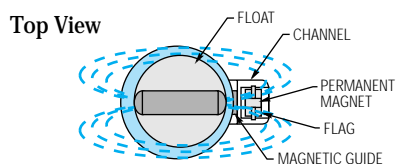
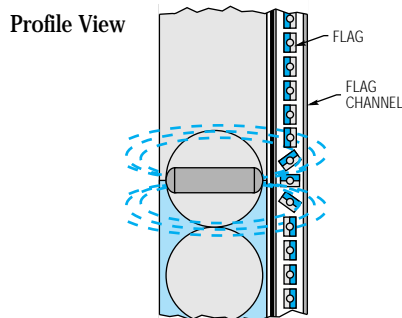
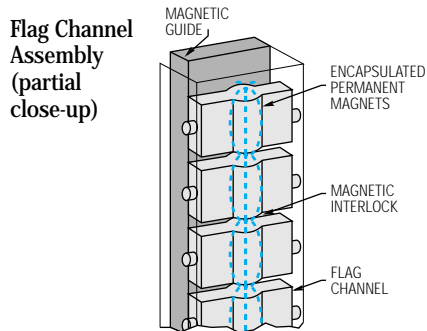


GEMS Process SureSite Indicators are manufactured to fill these requirements. Request GEMS Form No. 385 for more information.

SureSite Indicators Are Superior To Other Magnetic Type Indicators. Here's Why:

It begins with a patented Flag Assembly and integrated Magnetic Guide

At first glance, many magnetic flag type indicators look the same. However, they are not made the same, nor do they operate equally as well. SureSite Indicators are unique. They incorporate a patented design and special features that provide the ultimate in performance and reliable operation.



- A permanent magnet, encapsulated into each flag, forms a secure magnetic interlock with adjacent flags. Proper alignment is assured, and is unaffected by shock, vibration, surges or rapid level changes.

- A Magnetic Guide (a SureSite exclusive) enables the use of a more powerful bar magnet in the float assembly. The guide is integrated into the flag channel, so regardless of positioning, the bar magnet within the float is always aligned for optimum performance and exactness.

- A powerful, permanent bar magnet lies in a horizontal position within the float. This preferred attitude directs the flux density of the magnetic field toward the flags. Flag rotation is positive and reliable.

- Float capability to handle liquid specific gravity range as low as 0.40.

In This Section	Page
Specifying and Ordering	G-2
Alloy Versions—Miniature Size	G-3 to G-4
Alloy Versions—Standard Size	G-5 to G-6
Engineered Plastic Version	G-7 to G-8
Optional Switch Modules	G-9
Optional Indicating Scale	G-9
Optional Transmitters	G-10

Versatile Design

The SureSite Indicators described on the following pages represent only "basic designs." An infinite variety of configurations can be derived, custom built to your exact dimensions and application specifications on existing or new tank designs. Call **GEMS with your requirements—regardless of how simple or complex.**



LEVEL INDICATORS

Ordering SureSite® Indicators

Our OrderIt! Forms make it quick and easy.

1. To specify this product, start by photocopying the appropriate OrderIt! PRODUCT CHECK LIST located at the back of this catalog; Pages Z-18 to Z-22.

2. Using the product information supplied in this section, check off the boxes and fill in the blanks of the OrderIt! Check List to specify your desired product configuration. Accurate answers to each question will assure correct fit and function of your custom built product. Note: Use a separate Check List for each unique configuration.

3. To obtain a priced quotation, Fax your completed OrderIt! Check List to GEMS at 860-793-4651. Or, if you choose, mail it to us...We'll do the rest!

4. To order your CUSTOM product, contact one of our representatives, and use the OrderIt! method. Just photocopy the OrderIt! ORDER SHEET found at the back of this catalog. Accurately complete all of the purchasing information that we'll need to process your order and fax it along with your OrderIt! PRODUCT CHECK LISTS. When using the fax or mail method, the ORDER SHEET must be accompanied by the PRODUCT CHECK LISTS to expedite your order. These forms will provide us with the shipping and billing information we need, along with any prices or delivery dates quoted.