Specialists in Valves, Controls, Pneumatics and Fluid Measurement



LED SURESITE® LEVEL INDICATORS

LED Transmitter Versions – Miniature Size

- LED indicators ideal in low or no ambient light
- Integral transmitter with choice of signal conditioned output
- Lengths to 10 feet (3 meters)
- Pressures to 400 PSI (27 bar) Temperature to 300°F (149°C)

These Mini SureSite Indicators excel where zero and low ambient light make visual indicators difficult to read. These mini indicators feature all the benefits of a SureSite, like safe and durable stainless steel process fluid containment, while combining a continuous output transmitter with a bright LED channel.

The LED indicator assembly integrates a continuous level transmitter reducing overall footprint. A variety of signal conditioners provide the output you require. Forget the flashlights and squinting required to view antiquated sightglasses.

Typical Applications

- Pharmaceuticals Medical Equipment Food and Beverages
- Marine
 Rail
 Boilers

Specifications

opeenieurene	
Indication Length	5" to 120" (13 to 305 cm) in 0.5" (13 mm) increments
Media	Waters, Coolants, Light Oils, Diesel, Hydraulics
Specific Gravity	Minimum 0.8 SG to 1.2 SG
Materials	
Chamber Housing	316/316L Stainless Steel
Float	316/316L Stainless Steel
Shroud	Polycarbonate
O-Ring (Wetted)	Viton [®] , unless otherwise specified
J-Box Enclosure	Die cast Aluminum
Reliability and Durability	Expected 10 year service life
Performance	
Resolution	3/8″ (9.5 mm)
Accuracy	±1/2" (13 mm)
Output Signal	4-20 mA to within ±3% of full scale
Temperature Ranges	
Process	-40°F to +300°F (-40°C to +149°C)
Ambient	-40°F to +160°F (-40°C to +71°C)
Operating Pressure	Vacuum to 400 psig (27.6 bar)
Environmental	Enclosure: NEMA 4X
	IP65 (Water Resistant)
Input Power	20 to 28VDC, @100mA. Consult Factory for other voltages
Outputs	4-20 mA continuous current loop (3 wire)
	0-5 V continuous (3 wire)
	0-10 V continuous (3 wire)
Mechanical Interface	Custom configured for tank (per mini SureSite offering), 1/2" NPT to junction box
Mounting Orientation	
Unit Positions	AM-L, BM-L, CM-L, DM-L
Shroud Position	See Selection Guide; Step 2 for Codes
Calibration	Field Adjustment Null and Span/Factory Calibrated



LEVEL INDICATORS – VISUAI



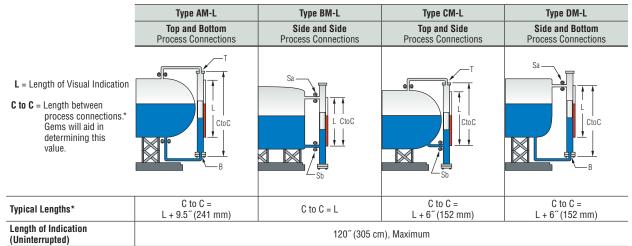
Specialists in Valves, Controls, Pneumatics and Fluid Measurement





1. Mounting Configuration Type

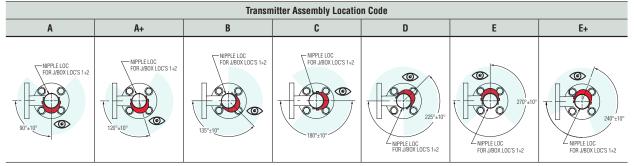
Based on process connection locations.



Formula provided is for approximation only. Final dimensions will vary due to connections type, position, cable or junction box location, and specific gravity of process liquid. Gems will confirm final dimensions before manufacturing.

2. LED Transmitter Assembly Location

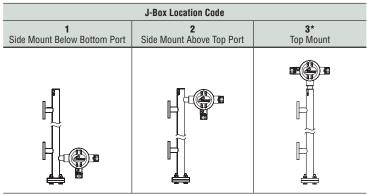
Position relative to process connection location. All illustration views are from the top. Codes with "+" indicate views when 3/4" side ports are used.



Approximate angle of view - 270°

3. J-Box Location

Drawings are typical, and for reference only. Final, specific locations are determined at time of manufacture.



* Requires a Blind Fixed Top Connection. See Connection Code T1 in the chart on next page.

LED Assembly Cable Egress

For J-Box Location 1, LED Transmitter Assembly cable will egress from the bottom of the assembly.





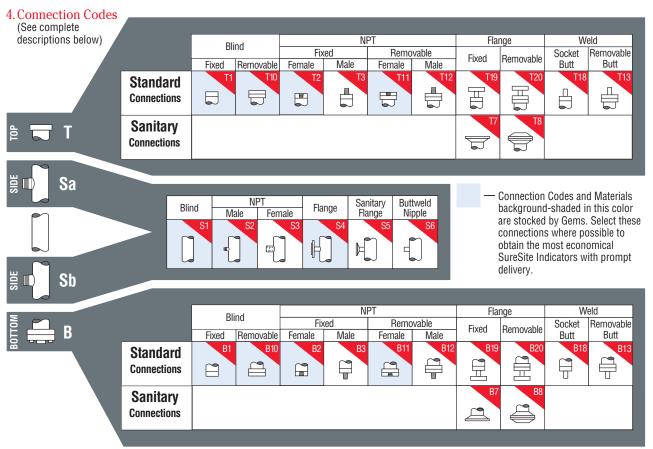
FAX: 203.261.8331 = www.OKCautomation.com

888-487-6711

Specialists in Valves, Controls, Pneumatics and Fluid Measurement



LED SURESITE® LEVEL INDICATORS



Note: Gems recommends a removable top and/or bottom connection for float access.

Connection Code Descriptions

Please provide all connections when completing the **OrderIt!** Product Check List (located on the following page). **Note:** Before selecting your connections, consider incorporating your vent and drain requirements.

T/B

T & B (Top and Bottom)

- T/B 1. Welded cap
- T/B 2. Welded cap with FNPT
- T/B 3. Welded cap with MNPT
- T/B 7. Sanitary flange
- T/B 8. Sanitary flange with mating blind flange
- T/B 10. Standard fixed flange/mating blind flange
- T/B 11. Standard fixed flange/mating FNPT reducing flange

5. Signal Conditioner Assemblies

Gems signal conditioners provide outputs for direct connection to a wide range of instrumentation. They are ideal for large, multi-tank complexes. Units with 4-20 mA outputs are particularly well suited for instrumentation control loops. Consult LED SureSite Installation, Operation and Maintenance bulletin.

- T/B 12. Standard fixed flange/mating flange with MNPT nipple
- T/B 13. Standard fixed flange/mating flange with butt weld nipple
- T/B 18. Welded cap with butt weld nipple
- T/B 19. Welded cap with ANSI flange
 - 20. Standard fixed flange/mating reducing flange spool with ANSI flange

Sa & Sb (Sides)

S1. No connection

LEVEL INDICATORS – VISUAL

- S2. MNPT nipple
- S3. FNPT coupling
- S4. ANSI flange
- S5. Sanitary flange
- S6. Buttweld nipple

