

Precision, reliability, and long-term stability have a name: SL EVO Level Sensor with Dual Diaphragm

Goodbye Drift problems

Discover the latest generation of level measurement: The new hydrostatic SL EVO guarantees highly accurate, stable, and hygienic level control - even and especially in humid environments like outdoor applications or cooling tanks. Its exceptional dual-diaphragm design with atmospheric reference measurement via a second diaphragm prevents any contact between the measuring cell and the atmosphere. This special Anderson-Negele solution with hermetically sealed measuring system eliminates drift problems caused by condensation, dust or washdowns and guarantees long-term stability.

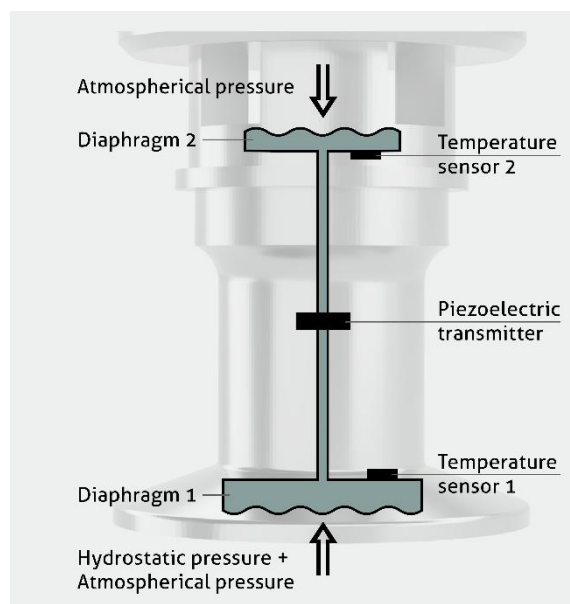
A new generation with the winning genes of its predecessor

The SL EVO builds on the success story of the widely used SL, which has been synonymous with precision, reliability, and durability in level measurement for years. In its new generation, it offers **improved technical performance, expanded communication options, and a newly developed display**, while remaining **fully compatible** with its predecessor generation.

- **Hermetically sealed design:** Reduces drift to a minimum and lifts long-term stability to a maximum
- The new, **integrated tank linearization** guarantees maximum application and process reliability through **direct volume, level or pressure output**, even for complex tank shapes
- The additional temperature output (IO-Link version) saves cost
- Additional connectivity with **IO-Link in Flex Hybrid** technology (4...20 mA and IO-Link in parallel) and **HART 7** offers easier connection, configuration, and operation.

New smart Display

- Optimized display, readable vertically or horizontally, for **optimum visibility in any installation**
- 360° LED Ring light with color signal for **easy recognition of sensor status** (e.g., normal, warning, error)
- The **visual signals support quick response** to avoid process errors
- **Simple, intuitive on-site programming** and field calibration via capacitive buttons on the outside of the display or IO-Link



Technical Specifications at a glance

- Measuring range: 0-30 to 0-1385" w.c. / 0...0.35 to 0...4.0 bar / 0...1.5 to 0...60 psi
- For process temperatures 0°F to 265°F (-18°C to 130°C); CIP/SIP cleaning up 284 °F / 140 °C max. 60 minutes
- Hermetically sealed construction with Dual-diaphragm design engineered to significantly reduce drift
- No routine re-zeroing required
- Analog and digital communication in Flex-Hybrid technology: 4...20 mA + IO-Link / HART 7
- Protection class IP 69 K / NEMA 4X





Order Code

SL Assembled Sensor - Standard (316L stainless steel finished to 25 µin R_a max)

Span range

- 1 0-30" min to 0-140" max with Analog & Hart
- 2 0-140.1" to 0-415" max with Analog & Hart
- 3 0-415.1" to 0-830" max with Analog & Hart
- 4 0-830.1" to 0-1385" max with Analog & Hart
- 5 0-30" min to 0-140" max with Analog & IO-Link
- 6 0-140.1" to 0-415" max with Analog & IO-Link
- 7 0-415.1" to 0-830" max with Analog & IO-Link
- 8 0-830.1" to 0-1385" max with Analog & IO-Link

Fitting (A): 3-A conform)

- | | | | |
|-----|--------------------------------------|-----|---|
| 089 | Anderson Flush Mount Long (A) 5, 6 | 004 | 1½" Tri-Clamp (A) 5 |
| 088 | Anderson Flush Mount Short (A) 5, 6 | 005 | 2" Tri-Clamp (A) 5 |
| 091 | Cherry Burrell Flush Mount Long (A) | 007 | 3" Tri-Clamp (A) |
| 090 | Cherry Burrell Flush Mount Short (A) | 059 | 1½" NPT 3 |
| 092 | King Gage Flush Mount Long (A) 3 | 141 | Rosemount / Foxboro Sanitary Spud - Short (A) 3 |
| 093 | King Gage Flush Mount Medium (A) | 142 | Rosemount / Foxboro Sanitary Spud - Long (A) 3 |
| 094 | King Gage Flush Mount Short (A) | 154 | Endress+Hauser Universal Adaptor - Short (A) |
| 097 | Tank Mate Flush Mount Long (A) 1, 3 | 155 | Endress+Hauser Universal Adaptor - Long (A) |
| 096 | Tank Mate Flush Mount Medium (A) 1 | 169 | Liquid Scale Flush Mount Medium (A) 2, 3, 5 |
| 095 | Tank Mate Flush Mount Short (A) 1 | 182 | Fixed thread G1", hygienic CLEANadapt |
| 147 | Continental (long) (A) | | |
| 146 | Continental (short) (A) 3 | | |

Display Option

- 1 SS-316L Electropolished Diaphragm, No-Display Version With Stainless Steel Cap
- 2 Hastelloy „C" Diaphragm, No-Display Version With Stainless Steel Cap 4
- 3 SS-316L Electropolished Diaphragm, Display Version
- 4 Hastelloy „C" Diaphragm, Display Version 4

Mounting

- 0 Horizontal
- 1 Vertical
- 2 Other (specify angle from vertical or from horizontal)

Wiring

- 01 M12-plug / QDR & FWC w/No Cable (std.)
- R0 M12-plug / QDR & 90° FWC w/No Cable
- 00 M12-plug / QDR w/No Cable, no FWC
- 05 M12-plug / QDR w/25 ft Standard Molded Cordset
- 10 M12-plug / QDR w/50 ft Standard Molded Cordset
- 20 M12-plug / QDR w/100 ft Standard Molded Cordset

Calibration *

- ##### Height In Inches w.c. (to nearest tenth) **
- 00000 Field Calibrated

SL 1 089 1 0 01 00000

- 1. Requires Tank Mate Shell Adapter: 57200A0001 (insulated), 57200A0002 (uninsulated)
- 2. Requires Liquid Scale Shell Adaptor: 4593600000
- 3. Sensors with these fittings are non-cancellable/non-returnable for credit
- 4. N/A with King-Gage, Tank Mate, or Endress+Hauser fittings
- 5. CRN compliant
- 6. Max. working pressure 550 PSI

* Orders not accepted without calibration data or completed worksheet.

** Calibration of span is in units "inches water column".

Examples:

10850 = 1,085.0 inches

00305 = 30.5 inches

Consult factory for assistance.