

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.

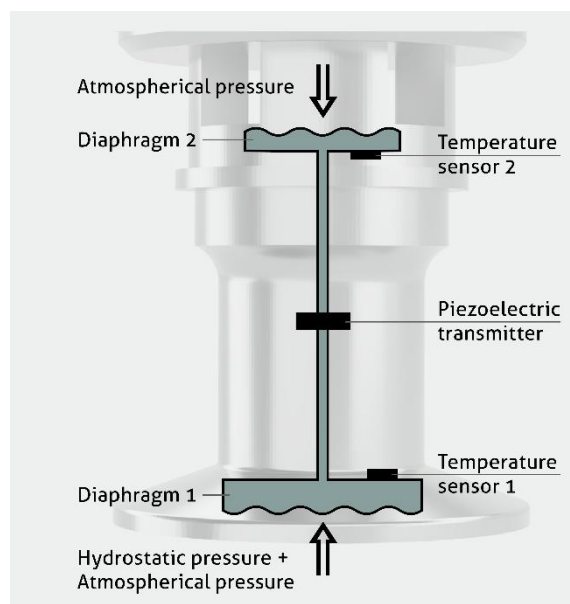
A new generation with the winning genes of its predecessor

The SL EVO builds on the success story of the widely used LAR, 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 Hydrostatic Level Sensor with 4...20 mA, IO-Link and HART communication

Span range (see pressure range table)

- A** 0...0.35 bar / 0...5 psi / 0...140" max
- B** 0...1.0 bar / 0...15 psi / 0...415" max
- C** 0...2.0 bar / 0...30 psi / 0...830" max
- D** 0...4.0 bar / 0...60 psi / 0...1385" max

Process connection (A: 3-A conform)

- | | |
|--|---|
| 182 Fixed thread G1", hygienic CLEANadapt | 154 Endress+Hauser Universal - Short A |
| 004 Tri-Clamp 1½" A | 155 Endress+Hauser Universal - Long A |
| 005 Tri-Clamp 2" A | 181 DRD flange 65 mm |
| 007 Tri-Clamp 3" A | 109 38 mm SMS Liner (female) |
| 115 Dairy flange DIN 11851 DN 40 | 180 HENGESBACH PZM/VRM series |
| 124 Dairy flange DIN 11851 DN 50 | |

Diaphragm

- 1** Stainless Steel AISI 316L Electropolished Diaphragm
- 2** Hastelloy „C" Diaphragm

Mounting

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

Wiring

- 98** M12-plug

Display version

- XX** No Display, Stainless Steel Cap
- XY** With Display, Stainless Steel housing and Polycarbonate Cap

Calibration range

- XXX** No calibration
- [end value]** Specify in „bar" (3 digits), e.g.:
025 for 0.25 bar
100 for 1 bar
200 for 2 bar

SL / A / 004 / 1 / 0 / 98 / XX / 025

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