

Precise measurement at process temperatures up to 400 °F (205 °C) Steam Pressure Gauge ELS

ELS: The solution when conventional or siphon pressure gauges are not sufficient

The ELS provides hygienic pressure measurement up to 600 psi / 40 bar at extreme process temperatures up to 400 °F (205 °C), even in steam environments where conventional pressure gauges or those with siphons are often insufficient.

The extended stem has been specially designed to isolate the sensor from the high process temperature and **protect all internal components from heat damage**.

Together with the **steam-stabilized stainless-steel diaphragm** and the fully welded stainless-steel case for **corrosion, shock and vibration resistance**, this guarantees a long service life and **permanently accurate, stable pressure readings**.

The direct Tri-Clamp connection and the very compact design with a height of <8" (202 mm) offer easy integration even in confined spaces, especially compared to solutions with Coil or U-Siphons.

Applications

The exceptional application properties of the ELS make it the ideal measuring instrument for all applications in the food or beverage industry where **hot steam**, **very high temperatures** / **temperature changes or pressure surges** can occur, such as:

- Steam-in-Place Sterilization (SIP)
- Ultra High Temperature Pasteurization
- Culinary Steam
- · Applications with thermal cycling



Technical Specifications at a glance

- Welded, polished, and steam-stabilized stainless steel diaphragm made of 1.4404 / AISI 316L, Ra ≤ 0.8 μm
- Measuring range: 0"Hg/0...30 / 0...600 psi, equivalent bar and dual measuring ranges available
- Very large display with slim housing and 90 mm
- Long service life thanks to high-quality design and workmanship, overpressure resistance min. 25% of final value
- Protection class IP66 for maximum application reliability
- · Optional display damping with glycerine filling



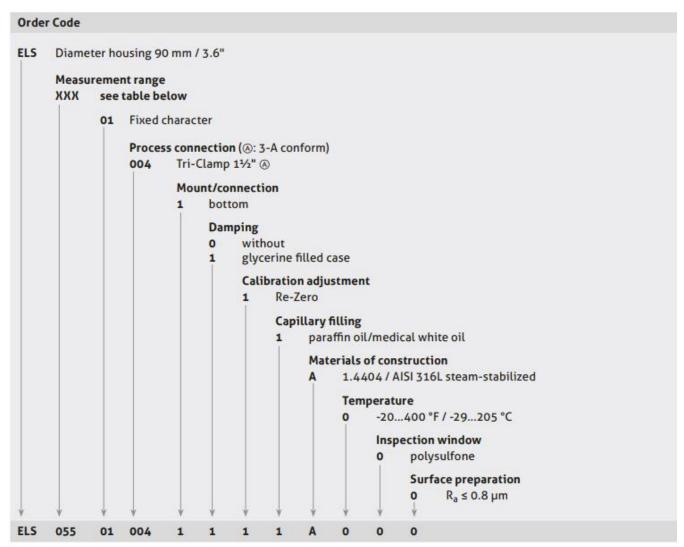


Table n	neasurement range				
psi	si bar		ar Dual Se		cale Range
029	30"Hg/030	055	-12	929	30"Hg/030 psi / -12 bar
031	30"Hg/060	056	-14	931	30"Hg/060 psi / -14 bar
032	30"Hg/0100	057	02	932	30"Hg/0100 psi / -17 bar
033	30"Hg/0160	192	04	933	30"Hg/0160 psi / -111 bar
034	30"Hg/0300	309	07	934	30"Hg/0300 psi / -120 bar
066	030	337	011	966	030 psi / 02 bar
069	060	065	020	969	060 psi / 04 bar
071	0100	067	040	971	0100 psi / 07 bar
074	0160			974	0160 psi / 011 bar
077	0300			977	0300 psi / 020 bar
082	0600			982	0600 psi / 040 bar
				245	00.6 MPa / 06 bar

Accessories							
41286A0005	Adaptor Tri-Clamp 11/2" to NPT 3/8"						