

Durable accuracy for high process reliability in food applications
High-precision pressure gauge EL

Highly accurate monitoring of process pressure and robustness against recurring pressure surges are essential in many food applications.

The long-life technology of the EL pressure gauges noticeably increases measuring sensitivity and durability:

The wear-free mechanical system ensures a measuring accuracy of $\pm 0.5\%$ of the end value over many years.

The optional hydro-mechanical damping provides efficient and reliable protection against damage even under pronounced mechanical loads such as vibrations and pressure hammers.

The diaphragm is specially mechanically equipped for a long service life, for example through the supreme material quality and an in-house production process optimised over decades.

The extended service life, which is often several times longer than that of other pressure gauges, leads not only to increased process reliability but also to a favourable cost of ownership.

A particular feature for fast and reliable detection is the display with the maximum possible diameter related to the device size.

Other factors for long-term practical suitability include the robust construction, the process and CIP/SIP temperature resistance up to 149 °C, and the all-round hygienic and easy-to-clean one-piece design with protection class IP66.



Table measurement range

PSI	30"Hg/0...30	BAR		Dual Scale Range	
029	30"Hg/0...30	469	-1...1.5	929	30"Hg/0...30 PSI / -1...2 BAR
031	30"Hg/0...60	055	-1...2	931	30"Hg/0...60 PSI / -1...4 BAR
032	30"Hg/0...100	217	-1...3	932	30"Hg/0...100 PSI / -1...7 BAR
033	30"Hg/0...160	056	-1...4	933	30"Hg/0...160 PSI / -1...11 BAR
034	30"Hg/0...300	356	-1...5	934	30"Hg/0...300 PSI / -1...20 BAR
066	0...30	475	-1...6	966	0...30 PSI / 0...2 BAR
069	0...60	497	-1...9	969	0...60 PSI / 0...4 BAR
071	0...100	057	0...2	971	0...100 PSI / 0...7 BAR
074	0...160	058	0...2.5	974	0...160 PSI / 0...11 BAR
077	0...300	192	0...4	977	0...300 PSI / 0...20 BAR
082	0...600	060	0...6	982	0...600 PSI / 0...40 BAR
		309	0...7		
		061	0...10		
		337	0...11		
		064	0...16		
		065	0...20		
		067	0...40		

Technical specifications at a glance

- High-precision pressure gauge, measuring accuracy $\pm 0,5\%$ of the end value
- Huge display diameter 90 mm
- Pressure range -1...+40 bar, measuring range selectable in PSI, BAR or Dual
- Optional hydro-mechanical damping
- Extremely robust one-piece design and Long Life Technology for easy cleaning and lasting process reliability

Pressure gauge EL

Order Code													
EL	(diameter housing 90 mm)												
	Measurement range												
	XXX see table on page 1												
	01 Fixed character												
	Process connection/fitting												
	004	(Tri-Clamp 1½", 3-A)										109	(SMS 38 mm, female)
	162	(Tri-Clamp 1½", with recessed diaphragm)										110	(SMS 51 mm, female)
	005	(Tri-Clamp 2", 3-A)										111	(SMS 38 mm, male)
	177	(Tri-Clamp 2", with recessed diaphragm)										112	(SMS 51 mm, male)
	006	(Tri-Clamp 2½", 3-A)										115	(DIN 11851, DN40, with nut)
	007	(Tri-Clamp 3", 3-A)										124	(DIN 11851, DN50, with nut)
	059	(1½" NPT)										123	(CPM fitting, 3-A)
	099	(Varivent N/DN40/2", 3-A)											
	Mount/connection												
	1	(bottom)											
	4	(back)											
	5	(left)											
	6	(right)											
	7	(top)											
	Damping												
	0	(standard/without)											
	1	(glycerine filled case OF)											
	2	(hydro-mechanical damping MD)											
	Calibration adjustment												
	1	(standard, with Re-Zero)											
	3	(with Re-Zero and max pointer stop)											
	Capillary filling												
	1	(paraffin oil/medical white oil)											
	5	(Neobee-M20)											
	Materials of construction												
	A	(standard)											
	B	(C22 (Hastelloy) diaphragm)											
	L	(standard with custom marking)											
	M	(C22 diaphragm with custom marking)											
	Temperature												
	0	(standard)											
	1	(high temperature up to 165 °C/330 °F with steam stabilized diaphragm)											
	Lens												
	0	(standard)											
	1	(UV stabilized)											
	Surface preparation												
	0	(standard)											
	1	(clean for oxygen service)											
											0	Fixed character	
EL	055	01	004	1	1	4	2	A	0	0	0	0	

