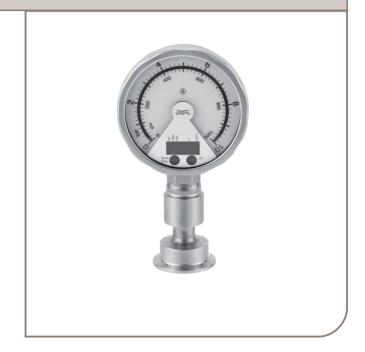
# Hygienic Pressure gauge with electrical outputs

# Alfa Laval Electronical Pressure Gauge

### Application

The Alfa Laval electronic pressure gauge (EPG) is designed to fulfil the demands of a hygienic pressure gauge with electrical output capabilities in the hygienic and pharmaceutical industry. Main features:

- Turnable scale in order to compensate for alternative mounting (350°)
- Adjustable pressure switch feature
- Analogue output (4-20 mA)
- Imbedded led indicator in scale
- Pressure-pulsation and -trend monitoring feature
- Integrated push buttons and digital display for easy setup



# TECHNICAL DATA

# Measuring ranges

-1 to 1.5 bar

0 to 2.5 bar

-1 to 3 bar

0 to 4 bar

0 to 6 bar

0 to 10 bar

0 to 16 bar

0 to 40 bar Electrical data

The integrated electronics features short circuit, reverse polarity and overload protection.

Digital output: ..... logic digital, PNP or NPN

Max output current: . . . . . . 50 mA
Response time: . . . . . . . . 9 ms

# Certificates

- 3.1 certificate (option)
- FDA conformity declaration (option)
- Calibration Certificate, 4 points (option)

#### PHYSICAL DATA

# Materials

# Operating temperature

Wetted parts: . . . . . . . . -25 to 85°C (140°C < 1 hour)

Field housing: .......-20 to 80°C Compensated temp. range: ..0 to 70°C

#### Process connection

Clamp DN38 (ISO2852) / Clamp DN40 (DIN32676)

#### Pressure

Messuring	range		Max. over pressure
-1 to	1.5	bar	10 bar
0 to	2.5	bar	10 bar
-1 to	3	bar	30 bar
0 to	4	bar	30 bar
0 to	6	bar	50 bar
0 to	10	bar	50 bar
0 to	16	bar	80 bar
0 to	40	bar	80 bar

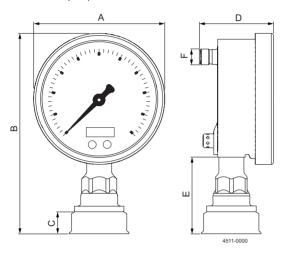




#### Standard range

The Alfa Laval EPG is as standard offered with a DN38 connection, a turnable scale and a digital display with two push buttons for easy setup. Setup is done through the two push buttons and the digital display, this offers the user the possibility to customize the digital and analogue output from the sensor making the EPG ideal for more than just simple pressure monitoring but also pressure switch and pump monitoring applications. Especially in these applications the unique led indication, imbedded in the outer circumference of the scale, offers the possibility to display pressure pulsation, pressure trends and actual set point of the pressure switch locally.

#### Dimensions (mm)

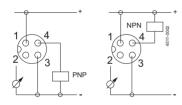


### Working principle

The Alfa Laval EPG is based on a internal ceramic pressure sensor which together with the metal diaphragm ensures a proper hygienic process connection. In order to offer the many advanced setup possibilities and the intelligent scale the EPG uses an advanced microprocessor. The Microprocessor controls the embedded led indication in the scale, the output signals and as well the movement of the physical dial. The turn able dial is approved for IP69K, which ensures maximum tightness between the dial and the housing, offering a life time tight closure.

A	В	С	D	Е	F
100	181	20	57	87.5	M12 Plug

## Electrical connections



PIN 1	Ub+
PIN 2	Ub-
PIN 4 (OUT1)	Binary switching output pressure moniting
PIN 2 (OUT2)	Analogue output for system pressure

# Core colours of sockets:

1 = BN (brown), 2 = WH (white), 3 = BU (blue), 4 = BK (black)

Product code: 5634

Item No.	PPL EUR	Description					
Electronical Pressure gauge with Clamp DN38 (ISO2852) / Clamp DN40 (DIN32676) bottom connection							
TE67Q111111140	876	-1 to 1.5 bar, dial size 100 mm					
TE67Q811111140	876	0 to 2.5 bar, dial size 100 mm	The state of the s				
TE67Q711111140	876	-1 to 3 bar, dial size 100 mm	((% 🖈 🕦))				
TE67Q211111140	903	0 to 4 bar, dial size 100 mm					
TE67Q911111140	876	0 to 6 bar, dial size 100 mm					
TE67Q311111140	876	0 to 10 bar, dial size 100 mm					
TE67Q411111140	876	0 to 16 bar, dial size 100 mm					
TE67Q511111140	876	0 to 40 bar, dial size 100 mm					
			4511-0001				
	Optional features						
TE67Qxxxxxxxx1	111	Calibration Certificate					
TE67Qxxxxxxxx2	16	3.1 Certificate					
TE67Qxxxxxxxx3	16	3.1 Certificate + 3A					
TE67Qxxxxxxxx4	0	3A Certificate					
TE67Qxxxxxxxx5	111	Calibration Certificate + 3A					
TE67Qxxxxxxxx6	130	Calibration Certificate + 3.1 Certificate					
TE67Qxxxxxxxx7	130	Calibration Certificate + 3.1 Certificate + 3A					