

SPECIAL FEATURES

- Compact and Economical Design
- High accuracy and a 4-digit display(5-digit display)
- Energy-efficient battery life of up to 1000 operating hours.
- ATEX 2014/34/EU as per EN IEC 60079-0:2018 & 60079-11:2012
- Max / Min pressure measurement
- IP Protection: IP67/ NEMA 4
- Zero reset Button
- Piezoresistive pressure sensor with SS316L wetted parts.
- Compensated Temperature -20 to 60°C (-4 to 140°F).
- Compliance to EN60079-0:2018 & EN60079-11:2012
- EX (intrinsically safe)



SPECIFICATIONS

- Zero point calibration
- Automatic shutdown
- Min / max display
- Overload Protection 1.5 X FS.
- Accuracy : 0,1 %FS, 0.25%FS, 0.4%FS.
- Pressure units: bar, psi, kPa, MPa, kg/cm2,inHg,Mbar, mm Hg.
- Pressure Ranges -1...0 bar to 0..1000 bar.
- Pressure ranges Absolute till 0 to 40bar
- Dial size:75mm(available in 100mm)
- 10 point traceable calibration certificate
- Cast Aluminium epoxy painted case
- 1-year continuous operation when powered up from 2 x 1.5V AA.
- 1 x Saft LS14500 3.6V Lithium AA battery
- Process Connections: 1/4" BSP, 1/4" NPT, 1/2" BSP, 1/2" NPT.
- Display: 4 digit (5 digit) with 14mm high characters.
- Storage. -20 to 85°C (-4 to 185°F)
- Ambient operating. -20 to 80°C (-4 to 176°F).
- Process Temperature Min and Max. -30 to 80°C (-22 to 176°F)

APPLICATIONS

- Process Industries
- Hazardous process applications
- Industrial applications & Pumps
- Calibration & Lab testing
- Chemical seals with different wetted exotic materials like MONEL 400, HASTELLOY C 276 and INCONEL 625/825 wetted parts depending up on process applications



Accuracy Parameters

Accuracy @ RT (20...25 °C)	$\leq \pm 0,1 \%FS$	Nonlinearity (BFSL), pressure hysteresis, non-repeatability, zero point deviation and amplification deviation
Total error band (0...50 °C)	$\leq \pm 0,2 \%FS$	Max. deviation within the specified pressure and temperature range
Compensated temperature range	-20...60 °C	
Long-term stability	$\leq \pm 0,2 \%FS$	Per year under reference conditions, yearly recalibration recommended
Degree of dependency on location	$\leq \pm 1,5 mbar$	Calibrated in vertical installation position with pressure connection facing downwards
Pressure range reserve	$\geq \pm 10 \%$	Valid measured values outside the pressure range, no overflow/underflow

ELECTRICAL DATA

- Battery 3 V,2 X 1.5V AA
- Type CR2430 hazardous applications DG-Ex75
- Battery life Up to 1000 hours When used continuously

LC-DISPLAY

- Dimensions : Width x Height : 27.8 mm X 30.0 mm
- Number of digits 4 on LCD (5 on LCD) 14MM Digit Height
- Display mode : Pressure
- Display interval: 2/s

MECHANICAL DATA

- Materials in contact with media
- Pressure connection : AISI 316SS
- Diaphragm: SS 316L All welded connection, NO O Ring
- Swivel Connection: SS316L

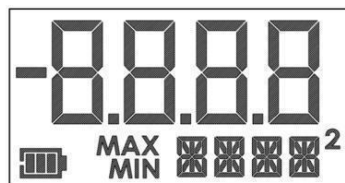
OTHER MATERIAL

- Display Housing : Aluminium
- Front Glass : LEXAN 163
- Pressure transducer oil filling : Silicone oil
- Swivel Connection: SS316L

FRONT COVER



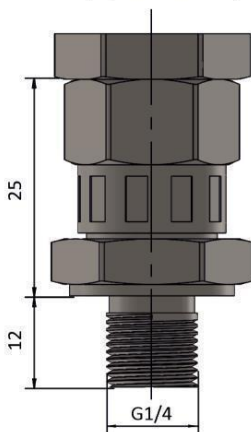
CONTENT



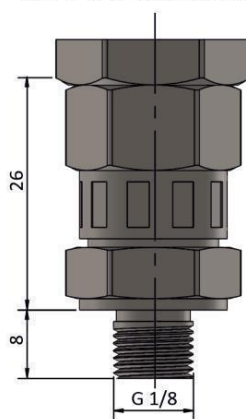
- *2 = Denotes Units

AVAILABLE PRESSURE CONNECTION

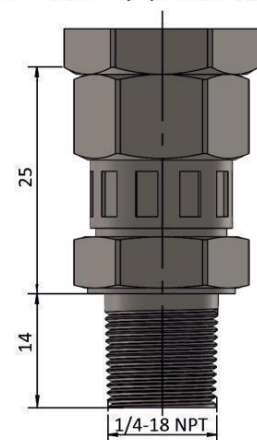
1/4"G (M) swivel adapter



1/8"G (M) swivel adapter



1/4"-18NPT (M) swivel adapter



OTHER CUSTOMER SPECIFIC OPTION

- Customer-specific front covers
- Customer-specific firmware with e.g. application-specific calculations
- Other oil filling types for pressure transducers: e.g. special oils for oxygen applications
- Other units of pressures can be configured ex works