

Input pressure range																		
Nominal pressure gauge	[bar]	0.4	0.6	1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400	600
Nominal pressure abs.	[bar]	-	0.6	1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400	600
Overpressure	[bar]	1	2	2	4	4	10	10	20	40	40	100	100	200	400	400	600	800
Burst pressure	[bar]	2	4	4	5	5	12	12	25	50	50	120	120	250	500	500	650	880
Vacuum pressure		-1 ... 0 bar, overpressure: 4 bar, burst pressure: 7 bar																
Vacuum resistance		P _N ≥ 1 bar: unlimited vacuum resistance P _N < 1 bar: on request																

Performance	
Accuracy ¹	≤ ± 0.25 % FSO BFSL
Measuring rate	5/sec
¹ accuracy according to IEC 60770 – minimum value setting (non-linearity, hysteresis, repeatability)	
Thermal effects (Offset and Span)	
Thermal effects	≤ ± 0.2 % FSO / 10 K in compensated range -25 ... 85 °C
Permissible temperatures	
Permissible temperatures	medium: -20 ... 85 °C environment: -20 ... 70 °C storage: -30 ... 80 °C
Mechanical stability	
Vibration	5 g RMS (25 ... 2000 Hz) according to DIN EN 60068-2-6
Shock	100 g / 1 msec according to DIN EN 60068-2-27
Materials	
Pressure port / housing	stainless steel 1.4404 (316L)
Display housing	PA 6.6, Polycarbonate
Seals (media wetted)	FKM
Diaphragm	ceramics Al ₂ O ₃ 96 %
Media wetted parts	pressure port, seals, diaphragm
Miscellaneous	
Display	LC-Display, visible range 40 x 30 mm; 4.5-digit 7-segment main display, digit height 11 mm, range of indication ±19999; 6-digit 14-segment additional display, digit height 7.5 mm
Electromagnetic compatibility	emission and immunity according to EN 61326
Supply	3.6 V lithium battery; 2 piece (1/2 AA)
Data storage	EEPROM (non-volatile)
Ingress protection	IP 65
Installation position	any
Weight	approx. 300 g
AD-converter solution	14 Bit
Operational life of battery	Standby-Modus: approx. 5 years
Mechanical operational life	> 100 x 10 ⁶ pressure cycles
CE-conformity	EMC directive: 2004/108/EC pressure equipment directive: 97/23/EC (Modul A) ²

² This directive is only valid for devices with maximum permissible overpressure > 200 bar.

Dimensions (in mm)

dimensioning value A:	
pressure port	mm:
G1/2" EN 837	62.5
G1/4" EN 837	54.5
1/4" NPT	54.5
1/2" NPT	60.5

This data sheet contains product specification, properties are not guaranteed. Subject to change without notice.