

# Series PG Digital Pressure Gauges

## Possibility of a direct mounting with rear or panel connection



Series PG digital pressure gauges meet the needs of an even more precise pressure adjustment, above all in proportional control.

Thanks to the IP65 protection class these pressure gauges are particularly suitable for applications where the highest environmental protection is required.

- Pressure unit on display
- Battery powered
- Easy and fast read out with digital display
- Four user programmable pressure units available
- Power saving mode
- Back light
- Dust-proof and splash-proof (IP65 protection class)



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Pressure, BSPP		
0158		
PG010-PB-1/8	1/8"	0 to 10
PG010-PB-1/4	1/4"	0 to 10

Vacuum, BSPP		
0158		
PG001-VB-1/8	1/8"	0.01 to -1
PG001-VB-1/4	1/4"	0.01 to -1

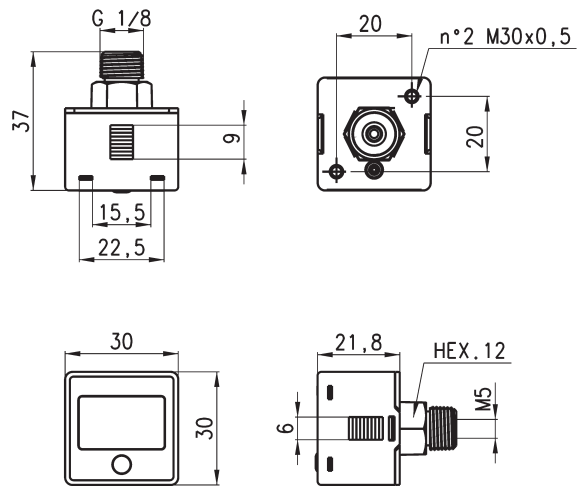
## Technical Data

CHARACTERISTICS		
	PG...-PB...	PG...-VB...
Pressure units (programmable by the user)	psi, bar, mmHg, kPa	psi, bar, kgf/cm <sup>2</sup> , MPa
Rated pressure range	0 ÷ 1 bar	0 ÷ 10 bar
Display pressure range	0.1 ÷ -1 bar	-0.1 ÷ 10 bar
Withstand pressure	3 bar	15 bar
Repeatability	≤ ± 1% F.S. ± 1 digit	≤ ± 0,2% F.S. ± 1 digit
Indicator accuracy	≤ ± 2% F.S. ± 1 digit (ambient temperature: 25 ± 3°C)	
Medium	Filtered air, incombustible and non-corrosive gases	
Battery: Type	CR 2032 lithium	
Life	1 year (5 times/day)	
Low-power indicator	Yes	
Replacement	Yes	
Back light	Yes	
Turn-on interval	Display turns off after 60 seconds	
Sample rate	2 Hz (2 times/second)	
LCD display	3 ½ digit, 7 segment	
Environment: Protection class	IP65 (an air tube must be installed un tubo per l'aria to maintain this grade)	
Temperature	Operation: 0 ÷ 50°C Storage: -10 ÷ 60°C (no condensation or freezing)	
Relative humidity	Operation/storage: 35 ÷ 85% RH (no condensation)	
Vibrations	Total amplitude 1.5mm or 10G 10Hz-55Hz-10Hz scan for 1 minute 2 hours for each direction of X, Y and Z	
Shock	100 m/s <sup>2</sup> (10G) 3 times for each direction of X, Y and Z	
Changes due to temperature	≤ ± 2% F.S. of detected pressure (25°C) within the operating temperature range	
Pneumatic connections ports	G1/4 - M5 or G1/8 - M5	

# CODING EXAMPLE

PG	010	-	P	B	-	1/8
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PG	SERIES
010	BOTTOM SCALE: 010 = 10 bar 001 = -1 bar
P	PRESSURE RANGE: P = pressure V = vacuum
B	LIGHTING: B = back light
1/8	PNEUMATIC CONNECTIONS: 1/8 = G 1/8 BSPP; M5 1/4 = G 1/4 BSPP; M5



Mod.

PG010-PB-1/8

PG001-VB-1/8

PG010-PB-1/4

PG001-VB-1/4