DIGITAL PRESSURE GAUGES
SERIES PG

Possibility of a direct mounting with rear or panel connection



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

The new Series PG digital pressure gauges meet the need 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.

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at https://shop.camozzi.com

DIGITAL PRESSURE GAUGES
SERIES PG - GENERAL DATA

General Data

	Vacuum PG...-VB	Pressure PG...-PB
Pressure units	Psi, bar, mmHg, kPa programmable by the user	Psi, bar, kgf/cm², MPa programmable by the user
Rated pressure range [bar]	0 ÷ -1 bar	0 ÷ 10 bar
Display pressure range	0.1 ÷ -1 bar	-0.1 ÷ 10 bar
Withstand pressure [bar]	3 bar	15 bar
Repeatability [% FS]	≤ ± 1% F.S. ± 1 digit	≤ ± 0,2% F.S. ± 1 digit
Resolution		
kPa	1	-
MPa	-	0.001
kgf/cm²	0.01	0.01
bar	0.01	0.01
psi	0.1	0.1
Indicator accuracy	≤ ± 2% F.S. ± 1 digit (ambient temperature: 25 ± 3°C)	
Medium	Filtered air, incombustible and non-corrosive gases	
Back light	Yes	
Sampling rate	2 Hz (2 times/second)	
LCD display	3 ½ digit, 7 segment	
ENVIRONMENT		
Protection class	IP65 (an air tube must be installed to maintain this grade)	
Temperature [°C]	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/s² (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	
FOR BATTERY-POWERED PRESSURE GAUGES ONLY		
Battery type	CR 2032 lithium	
Life	1 year (5 times/day)	
Low-power indicator	Yes	
Replacement	Yes	
Turn-on interval	Display turns off after 60 seconds	
FOR PRESSURE GAUGES WITH POWER SUPPLY CABLE ONLY		
Supply voltage [Vdc]	From 12 to 28 V DC±10% Ripple	
Power consumption	10 mA	
Max. voltage	1000V AC in 1-min (between the casing and the cables)	
Isolation resistance	50 Mohm min (at 500 V DC, between the casing and the cables)	
Electrical connection		
for pressure gauges PG...-2	Unshielded 2-pole cable, length 2 m	
for pressure gauges PG...-M	Connection with M8 4-pole connector	

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Coding example

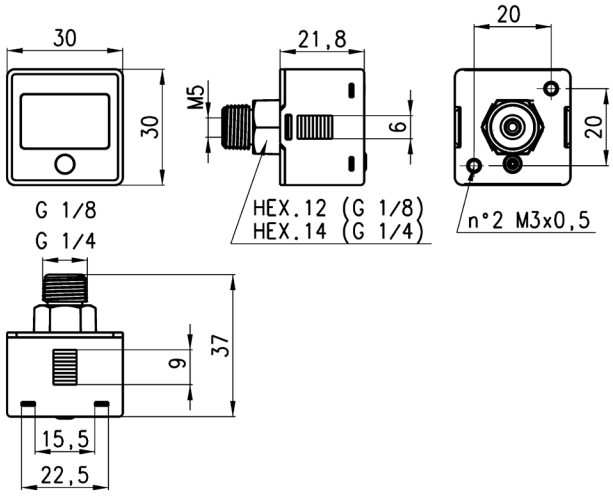
PG	010	P	B	1/8	2

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 (for battery-powered version only)
2	ELECTRICAL CONNECTION (for version with cable only): 2 = With unshielded 2-pole cable of 2 m M = With cable of 150 mm and M8 4-pole connector

Digital pressure gauges - battery-powered



To replace the battery, remove the entire plastic body.
The battery holder is located at the upper part of the pressure gauge.



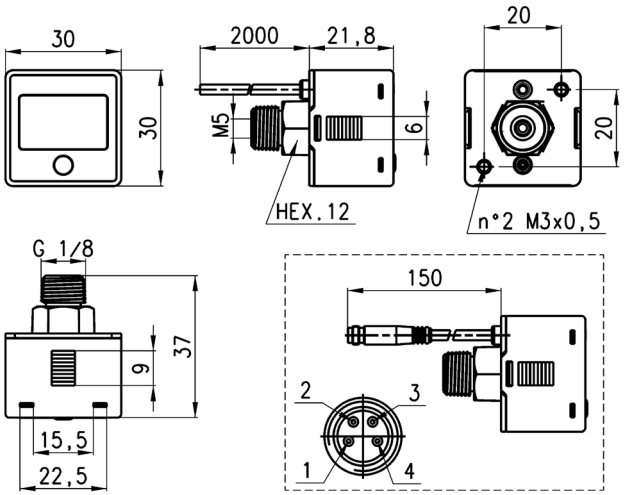
Mod.
PG010-PB-1/8
PG001-VB-1/8
PG010-PB-1/4
PG001-VB-1/4

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DIGITAL PRESSURE GAUGES
SERIES PG - DIMENSIONS

Digital pressure gauges - with cable





Mod.
PG010-PB-1/8-2
PG001-VB-1/8-2
PG010-PB-1/8-M
PG001-VB-1/8-M

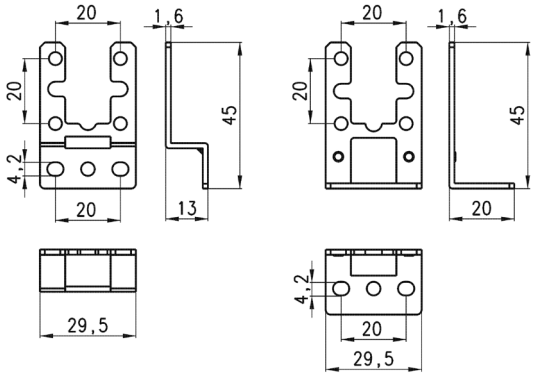
AIR TREATMENT

9

Mounting brackets



Supplied with:
1x bracket type A
1x bracket type B
2x screws M3x6



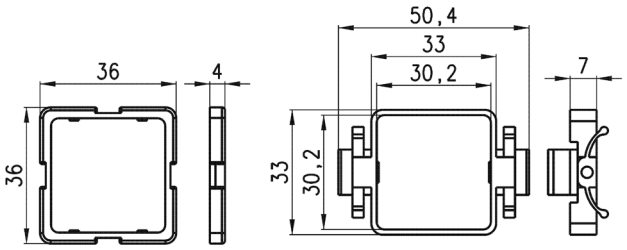
Mod.
PG-B

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Panel mounting adapter



Supplied with:
1x adapter type A
1x adapter type B



Mod.
PG-F

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