

PG010

General purpose pressure gauge



Product features:

- Low price commercial pressure gauge
- Wide choice of ranges and dial diameters
- For dry indoor installations
- Wide range of associated accessories available
- UKAS calibration available
- **Brannan** quality and accuracy

Applications:

- Heating, ventilation, air-conditioning
- Plumbing
- Compressors
- Air filters
- Pneumatics

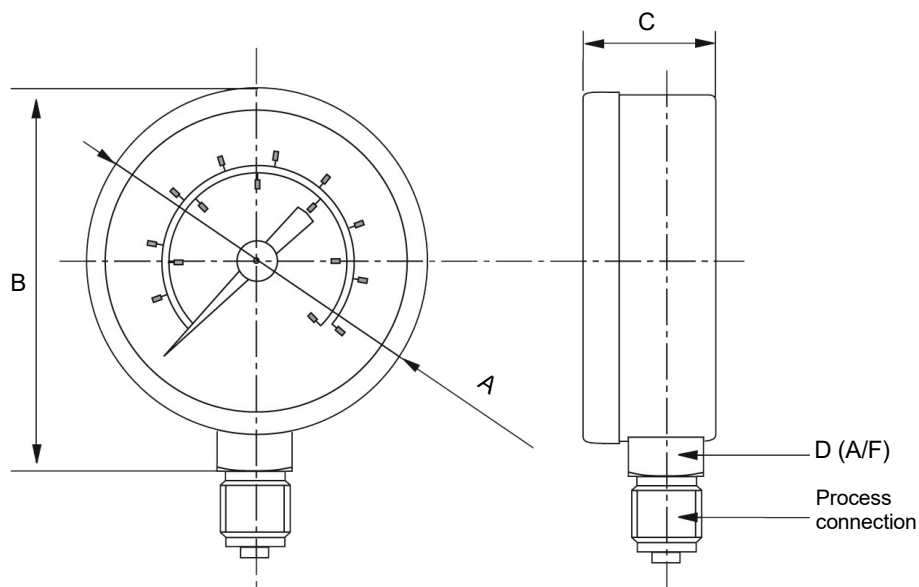
Standard product specifications:

Standards & categories	PG010
Design	BS EN 837 / ASME B40.100
Safety category	100mm: S1 (blow-out device gauge). Others: 0 (no blow-out device)
Gauge construction	
Case	Black steel
Connection orientation	Bottom, centre back & lower back
Connection material	Brass
Bezel	Black steel (80mm & 100mm only)
Pointer	Black aluminium
Measuring principle	Bourdon tube phosphor bronze
Movement	Cu-Alloy
Window	40mm, 50mm & 63mm: polycarbonate, snap fit / 80mm & 100mm: Glass
Ranges & parameters	
Dial diameters	40mm (1.5"), 50mm (2"), 63mm (2.5"), 80mm (3") & 100mm (4")
Ranges	-1 to 9 bar & -15 to 130 psi through to 0 to 1000 bar & 0 to 14500 psi
Thread size	1/8", 1/4", 3/8" & 1/2" BSP/NPT/BSPT (others available on request)
Accuracy class	1.6% (except 40mm: 2.5%)
Filling	Dry
Working pressure	Steady: 75% full scale range, fluctuating: 60% full scale range, short time: full scale range
Operating temperature	Ambient: -20 to +60°C, medium: -20 to +60°C
Storage temperature	-40 to +60°C
Protection	IP 43
Temperature effect	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
Optional extras	
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity
Accessories	Syphon, needle valve, gauge cock, snubber

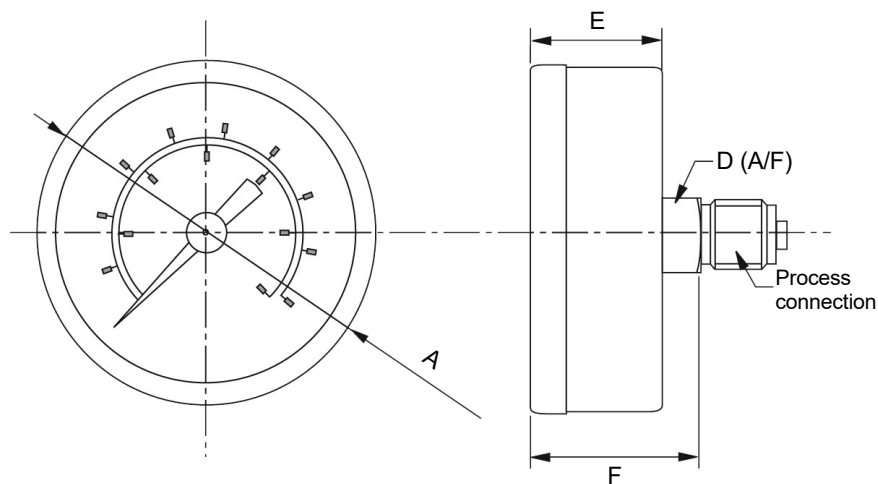
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Product dimensions:

Bottom entry



Back entry



Dial diameter	ØA	B	C	D (A/F)	E	F
40mm (1.5")	40.0mm	46.0mm	24.0mm	11mm	26.0mm	32.0mm
50mm (2.0")	50.0mm	57.0mm	28.0mm	14mm	28.0mm	34.0mm
63mm (2.5")	63.0mm	70.0mm	29.0mm	14mm	29.0mm	37.0mm
80mm (3.0")	81.5mm	91.0mm	33.0mm	14mm	33.0mm	41.0mm
100mm (4.0")	100.4mm	110.0mm	36.5mm	17mm	36.5mm	44.5mm

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Approx weights:

Supplied in individual box with instruction sheet.

Dial diameter	Orientation	Net weight	Box weight	Total weight
40mm (1.5")	Back	50g	8g	58g
40mm (1.5")	Bottom	68g	6g	74g
50mm (2.0")	Back	89g	11g	100g
50mm (2.0")	Bottom	80g	8g	88g
63mm (2.5")	Back	118g	14g	132g
63mm (2.5")	Bottom	113g	10g	123g
80mm (3.0")	Back	TBC	TBC	TBC
80mm (3.0")	Bottom	168g	13g	181g
100mm (4.0")	Back	TBC	TBC	TBC
100mm (4.0")	Bottom	305g	26g	331g

Product numbers:

The following products are usually kept in stock at Brannan and can therefore be ordered on the below numbers. Other PG010 dials are ordered to specific customer specifications. Please use below matrix overleaf to create your unique ordering product reference.

PG010 pressure gauges (bar outer scale, psi inner scale)

Range bar & PSI	Ø40mm (1.5")		Ø50mm (2.0")		Ø63mm (2.5")	
	Connection					
	1/8" BSP		1/4" BSP		1/4" BSP	
	Bottom	Back	Bottom	Back	Bottom	Back
0 to 1	-	-	-	-	-	34/441/0
0 to 1.6	-	-	34/122/0	34/142/0	-	34/442/0
0 to 2.5	34/023/0	-	34/123/0	34/143/0	-	34/443/0
0 to 4	34/024/0	34/044/0	34/124/0	34/144/0	34/424/0	34/444/0
0 to 6	34/025/0	34/045/0	34/125/0	34/145/0	34/425/0	34/445/0
0 to 10	34/026/0	34/046/0	34/126/0	34/146/0	34/426/0	34/446/0
0 to 16	34/027/0	34/047/0	34/127/0	34/147/0	34/427/0	34/447/0
0 to 25	34/028/0	34/048/0	34/128/0	34/148/0	34/428/0	34/448/0
0 to 40	34/029/0	34/049/0	34/129/0	34/149/0	34/429/0	34/449/0
0 to 60	-	-	-	-	-	34/480/0
0 to 100	-	-	-	-	34/461/0	-
0 to 160	-	-	-	-	34/462/0	34/482/0
0 to 250	-	-	-	-	34/463/0	34/483/0
0 to 400	-	-	-	-	34/464/0	34/484/0
-1 to 0	-	-	-	-	-	34/486/0
-1 to 3	-	-	-	-	-	34/489/0
-1 to 5	-	-	-	-	34/468/0	34/488/0
-1 to 9	-	-	-	-	34/467/0	34/487/0

Calibration product numbers:

Calibration	No of points	Product number
UKAS	5pt	49/075/0
Traceable to National Standards	5pt	49/060/0

Other calibration types available on request

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Other PG010 dials are ordered to specific customer specifications.

Please use below matrix to create your unique ordering product reference, using the values in bold.

Make	Model	Dial diameter	Ranges	Units	Connection size	Connection orientation	Extras
Brannan (BRN)	PG010 (PG10)	40mm (1.5") (40)	-1 to 9 bar (-1+9)	Bar only (black)(B)	1/8" BSP ₁ (1)	Bottom (BO)	Front flange (FF)
		50mm (2.0") (50)	-30 to 130 Hg/Psi (-30+130)	Psi only (black) (P)	1/8" NPT ₁ (2)	Centre back (CB)	Back flange (BF)
		63mm (2.5") (63)	through to	Bar outer (black) / psi inner (red) (BP)	1/4" BSP (3)	Lower back ₁ (LB)	NB. Flange for 100mm only. When more than one extra is required, please separate each code with a hyphen when building your product reference
		80mm (3.0") (80)	0 to 1000 bar (0+1000)	Psi outer (red) / bar inner (black) (PB)	1/4" NPT (4)		
		100mm (4.0") (100)	0 to 14500 Psi (0+14500)	kPa outer (black) / Psi inner (red) (KP)	3/8" BSP ₂ (5)		
			NB. 400 bar max for 40mm dial size	Psi outer (red) / kPa inner (black) (PK)	3/8" NPT ₂ (6)		
				NB. Other units available on request	1/2" BSP ₃ (7)		
					1/2" NPT ₃ (8)		
					1/8" BSPT ₁ (9)		
					1/4" BSPT (10)		
					3/8" BSPT ₂ (11)		
					1/2" BSPT ₃ (12)		
					7/16" UNF (13)		
					1. Not 80mm or 100mm 2. 80mm & 100mm only 3. 100mm only NB. others available on request	1. 100mm only	

Order example:

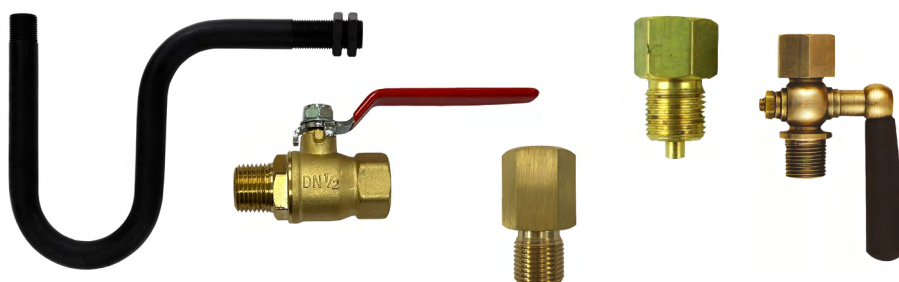
Make	Model	Dial diameter	Ranges	Units	Connection size	Connection orientation	Extras
BRN	PG10	100	0+10	B	4	BO	

Product reference: BRNPG10/100/0+10/B/4/BO

Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Ball valves
- Adaptors
- Snubbers
- Gauge cocks



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