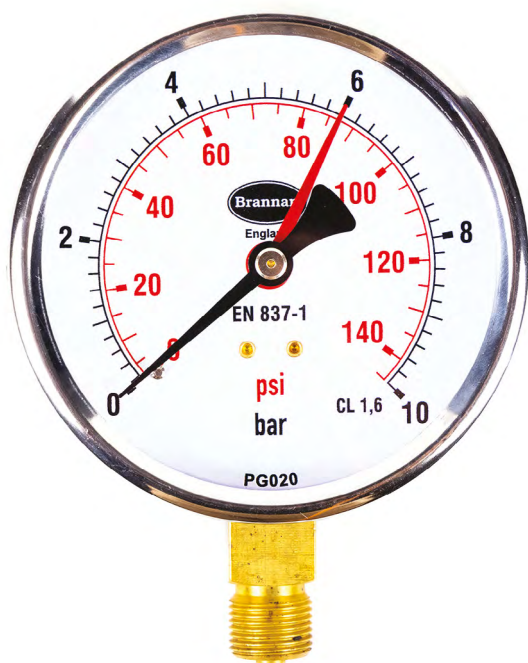


Commercial pressure gauge



Product features:

- Pressure gauge with bezel
- Adjustable loose red pointer
- Wide choice of pressure ranges (also available in metres and feet ranges)
- For dry indoor installations
- Wide range of associated accessories available
- **Brannan** quality and accuracy

Applications:

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

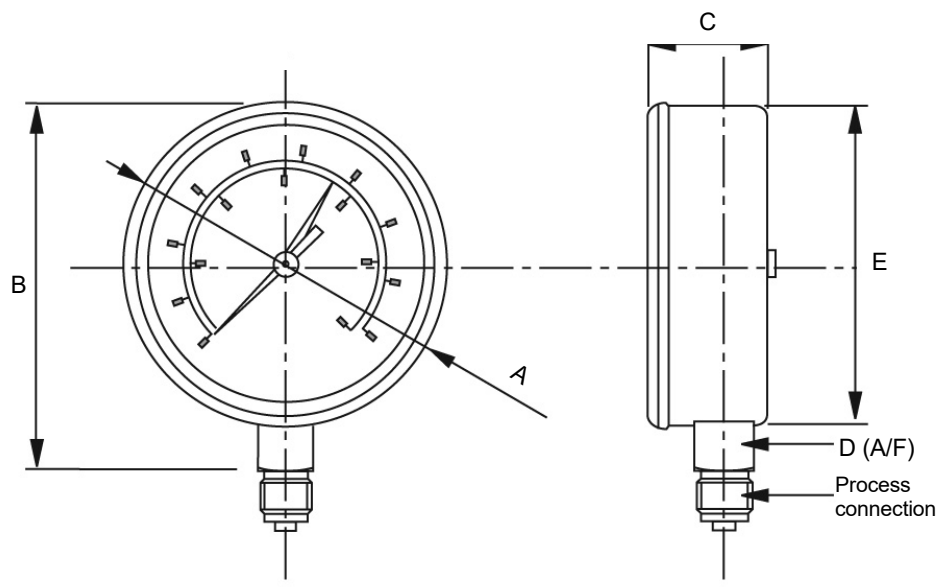
Standard product specifications:

	PG020 - 100mm diameter dials - stainless steel bezel	PG020 - 150mm diameter dials - black steel bezel
Standards & categories		
Design	BS EN 837 / ASME B40.100	BS EN 837 / ASME B40.100
Safety category	S1 (blow-out device gauge)	S1 (blow-out device gauge)
Gauge construction		
Case	Black steel	Black steel
Connection orientation	Bottom & centre back	Bottom entry only
Connection material	Brass	Brass
Bezel	Stainless steel - rolled	Black steel
Pointer	Black aluminium and loose red pointers	Black aluminium
Measuring principle	Bourdon tube Cu-Alloy	Bourdon tube Cu-Alloy
Movement	Cu-Alloy	Cu-Alloy
Window	Acrylic, snap fit	Glass
Ranges & parameters		
Dial diameters	100mm (4")	150mm (6")
Ranges	-1 to 9 bar & -15 to 130 psi through to 0 to 700 bar & 0 to 10150 psi	-1 to 9 bar & -15 to 130 psi through to 0 to 700 bar & 0 to 10150 psi
Thread size	3/8" & 1/2" BSP/NPT/BSPT (others available on request)	3/8" BSP Brass bottom entry only (others available on request)
Accuracy class	1.6% (Class 1.0 available on request)	1.6% (Class 1.0 available on request)
Filling	Dry	Dry
Working pressure	Steady: 75% full scale range, fluctuating: 60% full scale range, short time: full scale range	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	Ambient: -20 to +60°C, medium: -20 to +60°C
Storage temperature	-40 to +60°C	-40 to +60°C
Protection	IP 43	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	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	UKAS certification, certificate traceable to recognised national standard or statement of conformity
Accessories	Syphon, needle valve, gauge cock, snubber	Syphon, needle valve, gauge cock, snubber

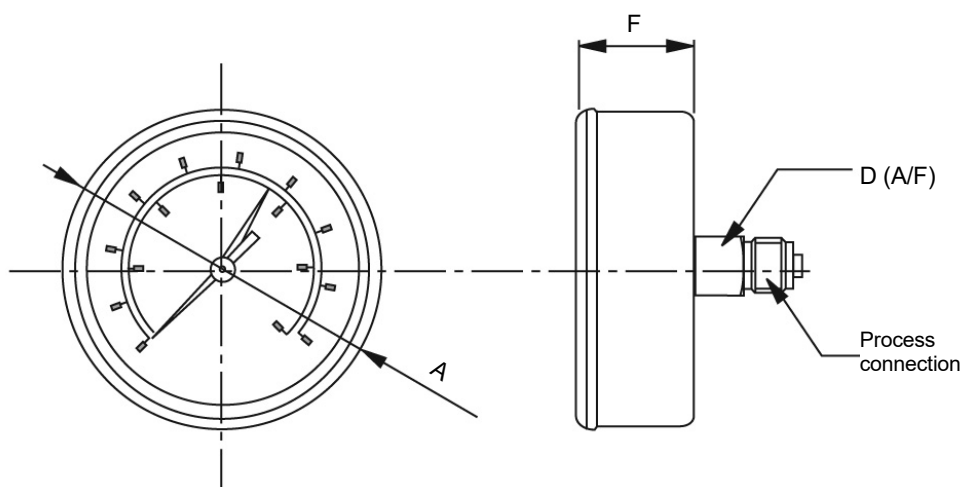
Commercial pressure gauge

Product dimensions:

Bottom entry



Back entry



Dial diameter	Connection	ØA	B	C	D (A/F)	ØE	F
100mm (4.0")	3/8" BSP	98.0mm	112.0mm	36.0mm	17mm	97.0mm	36.0mm
100mm (4.0")	1/2" BSP	98.0mm	110.0mm	36.0mm	22mm	97.0mm	-
150mm (6.0")	3/8" BSP	150.0mm	164.0mm	42.5mm	17mm	149.0mm	-

Standard product weights:

Dial diameter	Orientation	Box dimensions	Net weight	Box weight	Total weight
100mm (4.0")	Bottom	130 x 109 x 41mm	316g	27g	343g
100mm (4.0")	Back	108 x 108 x 80mm	257g	42g	299g
150mm (6.0")	Bottom	198 x 166 x 50mm	759g	60g	819g

Commercial pressure gauge

Product numbers:

The following products are usually kept in stock at Brannan and can therefore be ordered on the below numbers:

Ø100mm dial pressure gauge (bar outer, psi inner)

Range (bar dominant)	Bottom connection			Back connection 3/8" BSP
	3/8" BSP	1/2" BSP	1/2" NPT	
0 to 1 bar & psi	34/651/0	34/651/1	-	34/741/0
0 to 2.5 bar & psi	34/652/0	34/652/1	-	34/742/0
0 to 4 bar & psi	34/653/0	34/653/1	-	34/743/0
0 to 6 bar & psi	34/654/0	34/654/1	-	34/744/0
0 to 10 bar & psi	34/655/0	34/655/1	34/655/3	34/745/0
0 to 16 bar & psi	34/656/0	34/656/1	34/656/3	34/746/0
0 to 20 bar & psi	-	34/647/1	-	-
0 to 25 bar & psi	34/657/0	34/657/1	34/657/3	34/747/0
0 to 40 bar & psi	34/658/0	34/658/1	-	-

Ø100mm dial pressure gauge (psi outer, bar inner)

Range (psi dominant)	Bottom connection		
	3/8" BSP	1/2" BSP	1/2" NPT
0 to 160 psi & bar	-	35/205/1	-
0 to 230 psi & bar	-	35/206/1	-
0 to 300 psi & bar	-	35/207/1	-

Ø150mm dial pressure gauge (bar outer, psi inner)

Range (bar dominant)	Product number
0 to 6 bar & psi	34/574/0
0 to 10 bar & psi	34/575/0
0 to 16 bar & psi	34/576/0
0 to 25 bar & psi	34/577/0

Other PG020 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	Range	Units	Connection size	Connection orientation	Extras
Brannan (BRN)	PG020 (PG20)	100mm (4") (100)	-1 to 9 bar (-1+9)	Bar only (black) (B)	3/8" BSP (5)	Bottom (BO)	Front flange (FF)
		150mm (6") (150)	-30 to 130 Hg/Psi (-30+130)	Psi only (black) (P)	3/8" NPT (6)	Centre back (CB)	Back flange (BF)
			through to	Bar outer (black) / psi inner (red) (BP)	1/2" BSP (7)		No loose red pointer (NLRP)
			0 to 700 bar (0+700)	Psi outer (red) / bar inner (black) (PB)	1/2" NPT (8)		
			0 to 10150 Psi (0+10150)	kPa outer (black) / Psi inner (red) (KP)	3/8" BSPT (11)		
				Psi outer (red) / kPa inner (black) (PK)	1/2" BSPT (12)		
		NB. 100mm is stainless steel bezel. 150mm is black steel bezel unless discussed otherwise.		NB. Other units available on request	NB. Other units available on request	NB. 150mm bottom entry only	

Order example:

Make	Model	Dial diameter	Range	Units	Connection size	Connection orientation	Extras
BRN	PG20	100	0+40	BP	5	BO	

Product reference: BRNPG20/100/0+40/BP/5/BO

PG020

Commercial pressure gauge

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

Pre-calibrated pressure gauges

Brannan offer a range of pressure gauges supplied complete with 5 point calibration certificate, available by immediate despatch.

Product numbers:

The following pre-calibrated pressure gauges are Ø100mm, 3/8" BSP bottom connection.

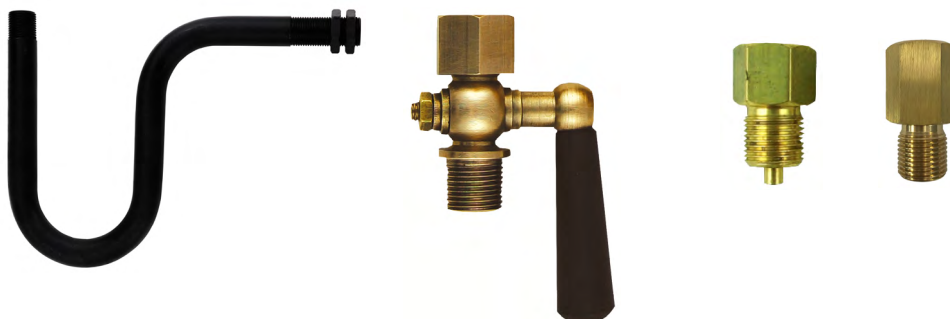
Range	Pre-calibrated product number
0 to 2.5 bar & psi	34/652/9
0 to 4 bar & psi	34/653/9
0 to 6 bar & psi	34/654/9
0 to 10 bar & psi	34/655/9
0 to 16 bar & psi	34/656/9
0 to 25 bar & psi	34/657/9
0 to 40 bar & psi	34/658/9

TRACEABLE CALIBRATION CERTIFICATE		
ISSUED BY: S. Brannan and Sons Limited		
CALIBRATION DATE 18/04/2025	CERTIFICATE NUMBER 49929 / 4	SERIAL NUMBER 2820425
S. Brannan and Sons Ltd. Lancaster Industrial Estate Culter Moss Cumbria ENGLAND LA2 8SE	 Thermometers and Gauges	Telephone: +44 (0) 1946 816600 Fax: +44 (0) 1946 816622 E-Mail: sales@brannan.co.uk Web: www.brannan.co.uk Registered No: 2985212 (Sole) (UK)
Specification: EN 837-1 CL 1.6		
Instrument Type: 100mm DIA. PRESSURE GAUGE 3/8" BSP		
Range: 0 to 16 BAR 0 to 230 PSI		
Resolution: 0.5 BAR 5 PSI		
Applied Pressure	Indicated Pressure (Reading)	Standard Instrument References
Bar	Bar	Bar
0.00	0.00	T20503112
2.00	1.99	T20503112
5.00	4.95	T20503112
8.00	7.95	T20503112
12.00	11.95	T20503112
15.00	14.95	T20503112
Signed: _____ Calibration Assistant and Approved Signatory		
Laboratory Temperature 20°C ± 0.1°C Laboratory Humidity 20% to 80%		
S. Brannan and Sons operate an ISO 9001:2015 certified Quality Management System in order to ensure the accuracy and reliability of every instrument we produce. The readings were determined by comparison with traceable standard instruments. The reference numbers of which are shown above. The measurement and periodic verification shall be carried out on the instrument parts, but the verification frequency is not determined by the user depending upon the frequency and conditions of use, as well as the level of accuracy required by the process.		

Product accessories:

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

- Syphons
- Gauge cocks
- Adaptors
- Snubbers



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the website

