

## Capsule gauge



### Product features:

- Low pressure capsule gauge
- 1.6% or 2.5% accuracy
- Stainless steel or black steel case
- Glycerine filling available
- Choice of brass or stainless steel case suitable for harsh and corrosive environments and pressure media
- Wide range of associated accessories available
- **Brannan** quality and accuracy

### Applications:

- Heating, ventilation, air-conditioning
- Food and beverage industry
- Pulp and paper industry
- Machine and apparatus construction
- Pumps, compressors, hydraulic presses
- High humidity installations
- Pneumatics
- Hydraulics
- Outdoor installations

### Standard product specifications:

CAP001 - Black steel case		CAP001 - Stainless steel case	
Standards & categories			
Design	BS EN 837 - 3		
Gauge construction			
Case	Black steel		
Connection orientation	Bottom & centre back		
Connection material	Brass		
Bezel	Black steel (100mm only)		
Pointer	Black aluminium		
Measuring principle	Capsule, brass		
Movement	Cu-Alloy		
Window	63mm: polycarbonate, snap fit / 100mm: glass		
Ranges & parameters			
Dial diameters	63mm (2.5") & 100mm (4")		
Ranges	0 to 25 mbar & 2.5 kPa through to 0 to 600 mbar & 60 kPa		
Thread size	1/8", 1/4", 3/8" & 1/2" BSP/NPT/BSPT (others available on request)		
Accuracy class	63mm: 2.5%, 100mm: 1.6%		
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 (BS EN 60529:1992)		
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	UKAS certification, certificate traceable to recognised national standard or statement of conformity		
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity		

## Capsule gauge

### Product numbers:

All CAP001 dials are ordered to specific customer specifications. Please use below matrix to create your unique ordering product reference, using the values in bold.

Make	Case Material	Dial diameter	Range	Units	Wetted parts	Connection size	Connection orientation	Extras
Brannan (BRN)	Black steel CAP001 (CAP1B)	63mm (2.5") <sub>1</sub> (63)	0 to 25 Mbar (0+25) 0 to 2.5 kpa (0+2.5)	mbar only (M)	SS 316* (SS316)	1/8" BSP <sub>1</sub> (1) 1/8" NPT <sub>1</sub> (2) 1/4" BSP (3) 1/4" NPT (4) 3/8" BSP <sub>2</sub> (5) 3/8" NPT <sub>2</sub> (6) 1/2" BSP <sub>2</sub> (7) 1/2" NPT <sub>2</sub> (8) 1/8" BSPT <sub>1</sub> (9) 1/4" BSPT <sub>1</sub> (10) 3/8" BSPT <sub>2</sub> (11) 1/2" BSPT <sub>2</sub> (12)	Bottom (BO)	Dry - no filling (D) Glycerine <sub>1</sub> (G) Laminated safety glass window <sub>2</sub> (LG) Front flange <sub>3</sub> (FF) Back flange (BF)
	Stainless steel CAP001 (CAP1S)	100mm (4") (100) 150mm (6") <sub>2</sub> (150)	through to 0 to 600 Mbar (0+600) 0 to 60 kPa (0+60)	kPa only (K) Psi only (P) mbar outer (black) / psi inner (red) (MP) Psi outer (red) / mbar inner (black) (PM) kPa outer (black) / psi inner (red) (KP) Psi outer (red) / kPa inner (black) (PK)	Brass <sub>1</sub> (BRS)		Centre back (CB)	
		1. Not available with S316 wetted parts. 2. SS case only.	NB. Equivalent vacuum ranges also available	NB. Other units available on request	* Stainless steel case only. 1. IP65. No laser welding connection to case	1. 63mm only 2. 100mm & 150mm only Others available on request		1. Stainless steel case only. Only available above 100 mbar 2. Safety glass for stainless steel gauge only. 3. Flange for 100mm only. When more than one extra is required, please separate each code with a hyphen when building your product reference

### Order example:

Make	Case Material	Dial diameter	Range	Units	Wetted parts	Connection size	Connection orientation	Extras
BRN	CAP1S	100	0+25	M	SS316	7	BO	LG-FF

Product reference: BRNCAP40/100/0+25/M/SS316/7/BO/LG-FF

### 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