

Product data sheet

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DG010 - DIFFERENTIAL PRESSURE GAUGE - PISTON TYPE



Product features:

- Magnetic piston principle used to measure pressure differentiation
- High static pressure
- Bottom, back or In-line connection
- Aluminium, brass or SS 316 body & Monel
- Ingress protection IP 66
- +/- 2% accuracy
- **Brannan** quality and accuracy

Applications:

- Used to measure pressure drops
- Filtration systems
- Hydraulic systems
- Leak detection
- Water treatment

Standard product specifications:

Type	Piston type differential gauge
Migration of Media	Marginal
Mounting	Direct (others on request)
Dial diameters	63mm (2.5"), 90mm (3.5"), 100mm (4"), 115mm (4.5") and 150mm (6")
Accuracy	+/- 2% FS
Ranges	0 to 0.15 bar through to 0 to 70 bar
Case	Stainless steel 304 with rubber ring (optional engineered plastic case)
Process connection	1/4" NPT/BSP F (others available through adaptor)
Connection orientation	Bottom, back, or in-line (contact us for other variations)
Measuring principle	Magnetic coupling using piston
Body material	Aluminium, brass, stainless steel 316 or Monel
Wetted parts	Body material, SS 302 spring, ceramic magnet, seals
Seals	Buna-N (Viton available on request)
Window	Instrument glass, acrylic glass or safety glass
Dial	White aluminium
Pointer	Black aluminium
Filling	Dry (glycerine/silicone filling optional)
Max static pressure	Aluminium & brass: 200 bar, SS 316 & Monel: 400 bar
Operating temperature	Ambient: 0 to 80°C Medium temperature: 0 to 80°C
Ingress protection	IP66

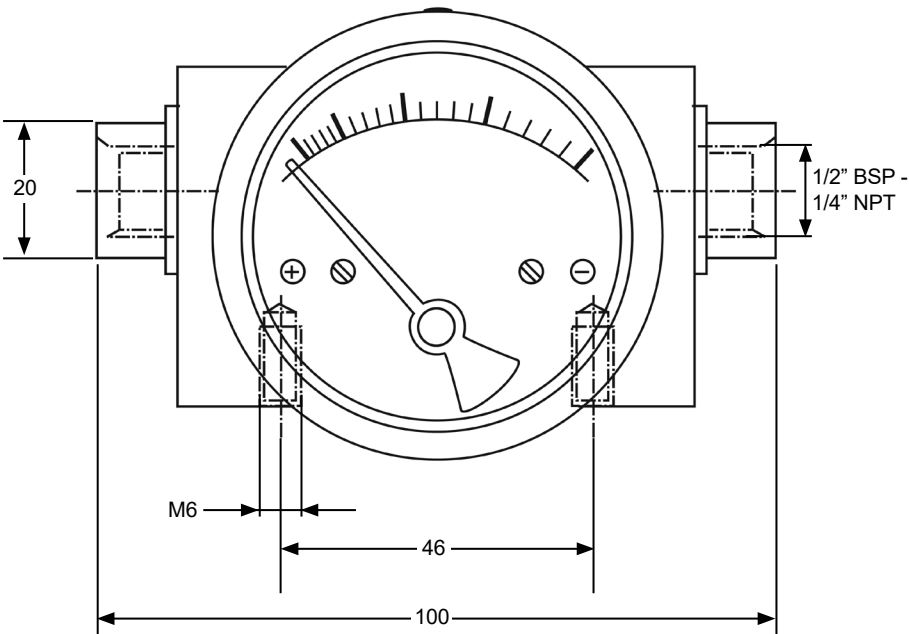
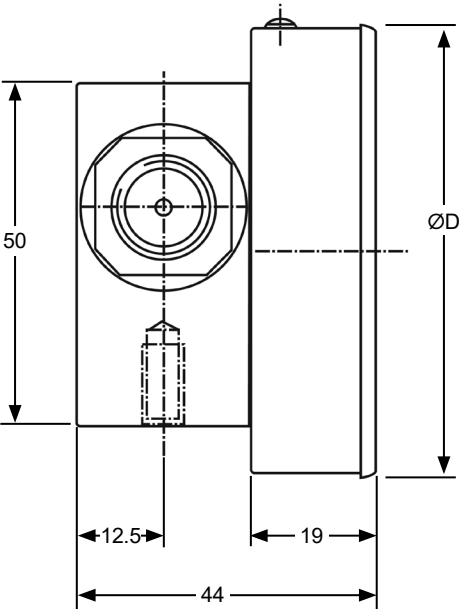
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Product dimensions (in mm's)



Dial Ø	Case Ø (ØD)
63mm / 2.5"	66.0mm
90mm / 3.5"	83.0mm
100mm / 4.0"	104.3mm
115mm / 4.5"	119.7mm
150mm / 6.0"	154.3mm

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Product numbers:

All DG010 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	Process connection	Connection orientation	Body material	Extras
Brannan (BRN)	DG010 (DG10)	63mm (63)	0 to 0.15 bar (0+0.15)	Bar only (B)	1/4" BSP (F) (F3)	Bottom (BO)	SS 316 (316)	Viton seals (VIT)
		90mm (90)	0 to 2 Psi (0+2)	Psi only (PSI)	1/4" NPT (F) (F4)	Back (BK)	Brass (BRS)	Engineered plastic case* (PLA)
		100mm (100)	Through to		1/2" BSP (F)* (F7)	In-line (IL)	Aluminium (AL)	Glycerine filling (G)
		115mm (115)	0 to 70 bar (0+70)		1/2" NPT (F)* (F8)		Monel (MON)	Silicone filling (S)
		150mm (150)	0 to 1015 Psi (0+1015)					Maximum pointer (MaxP)
								Front flange/ panel mount (FF)
								2" pipe mounting kit (PMO)
								Surface mounting kit (SMO)
								Centre zero (CZ)
								* 63, 115 & 150mm only
								NB. When more than one extra is required, separate each code with a hyphen when building your product reference.
			For gauges with zero centre please specify the negative and positive range.		* Through adaptor			

Order example:

Make	Model	Dial diameter	Ranges	Units	Process connection	Connection orientation	Body material	Extras
BRN	DG10	100	0+15	P	F4	BO	316	S400

Product reference: BRNDG10/100/0+15/P/F4/BO/316/S400