

PRECISION

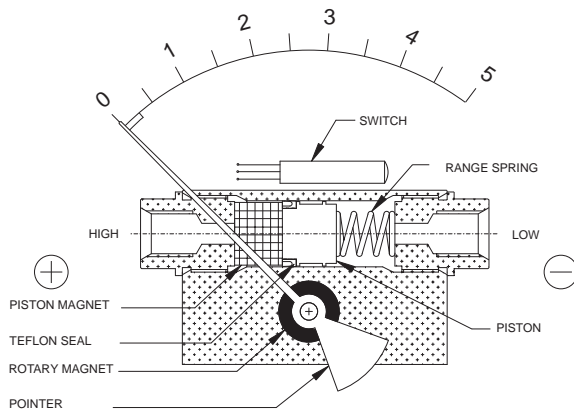
Differential Pressure Instruments



PRECISION Differential Pressure Instruments

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Legacy Series 200DPG Piston Gauge



200 DPG

ΔP Range : 0-5 up to 0-1050 Psid

COMBINATIONS

Gauge



Switch



Gauge + switch (with a terminal strip inside)



MOUNTING BRACKETS

Gauge



Gauge + switch (with a DIN plug)



Specifications

Accuracy	±2% of FSD (Ascending)
Migration	Minor from high to low port
Range	0-0.25 to 0-70 bar or equivalent range in other units
First marking on the scale	20% of the FSD
Sensing element	Piston
Wetted parts	Body material, SS 302 spring, Teflon, & ceramic magnet
Case material	Stainless steel (SS 304)
Dial size in inch /mm	2", 2.5", 3.5", 4", 4.5", 6" / 50, 63, 80, 100, 115, 150
Mounting	Direct, front flange & 2" pipe mounting
Maximum working pressure	3000 Psig for Aluminium & Brass, 6000 Psig for SS & Monel
Maximum process temperature	200° F/93° C
Body material	Aluminum, Brass, SS 316 & Monel
Seals	Buna-N, Viton & EPDM 'O' rings
Window	Float glass(Std.), toughened glass & acrylic on request.
Connection	1/4" NPT(F) Std. optional 1/4" BSP(F)
Porting	In-line, rear, bottom
Over range protection	Up to the max. working pressure from high & low side
Protection for gauge & switch	IP 65 / NEMA-4

Options

Glycerine filling	
Red follower pointer (except 2" & 6")	
Customer logo	
Dual scale	
Colour band	
Filter mesh in (+) connection	
Reverse port (Pointer moves from right to left.)	
Descending calibration	

Switches (Adjustable in 20-100% of FSD)

1 or 2 SPSTs with a DIN plug
1 or 2 SPSTs with a terminal strip
1 or 2 SPSTs with a built in relay
1 or 2 SPDTs with a terminal strip
1 or 2 SPDTs with a DIN plug



PRECISION Instruments

200DPG Piston Gauge Order Code

200DPG G S 4.5 4N 1 SS F V 0 0-30 Psid

- Options

200DPG PISTON GAUGE

Model
200DPG

Style
G = Gauge only
GS = Gauge + Switch

Body Material
A = Aluminum B = Brass
S = 316SS M = Monel

Dial Size
2.0 = 2" 4.0 = 4"
2.5 = 2½" 4.5 = 4½"
3.5 = 3½" 6.0 = 6"

Connection
4N = ¼" FNPT (standard)
ZZ = Special Connection

Connection Location
1 = Inline (std.) 4 = Bottom & Vent
2 = Rear/Back 5 = Inline & Vent
3 = Bottom 6 = Inline & Bottom

Case
SS = 304SS (std.) SF = 304SS Flange (Panel Mount)

Lens
F = Glass (std.) A = Acrylic T = Toughened Glass

Seals
B = Buna-n (std.) V = Viton E = EPDM

Switch

2 = 1 SPST w/terminal strip	+	SPST Specifications
2A = 1 SPST w/relay		1 = 10VA/100V/0.5 A (std)
4 = 2 SPST w/terminal strip		2 = 40VA/230V/1Amp
4A = 2 SPST w/relay		3 = 100VA/300V/1Amp
6 = 1 SPDT w/terminal strip		SPDT Specifications
8 = 2 SPDT w/terminal strip		1 = 3VA/30V/0.3 Amp (std)
		2 = 5VA/125V/0.25 Amp
		3 = 5VA/175V/0.25 Amp
		4 = 60VA/400V/1 Amp*

Range

PSID	Kg/cm ²	Bar	Kpa	mbar
-	0.25	0.25	25	250
5	-	-	-	-
8	0.5	0.5	50	500
10	0.75	0.75	75	750
15	1	1	100	1000
20	-	-	-	-
25	1.6	1.6	160	-
30	2	2	200	-
-	2.5	2.5	250	-
40	3	3	300	-
50	3.5	3.5	350	-
60	4	4	400	-
-	5	5	500	-
80	-	-	-	-
-	6	6	600	-
100	7	7	700	-
-	9	8	900	-
150	10	10	1000	-

- 0 = None
 - A = Glycerine Fill**
 - B = Follower Pointer (acrylic lens)
 - C = Customer Logo
 - D = Dual Scale
 - E = Colored Dial Arc
 - F = Filter Screen in + Port
 - G = Reverse Port+
 - H = Descending calibration
 - N = NACE
 - S = Silicone Fill**
 - I = Oxygen Clean
 - K = 6000 Psig MAWP
 - M1 = 2" Horizontal Pipe Mount
 - M2 = Surface Mount Bracket
 - M3 = 2" Vertical Pipe Mount
- Notes
- * = Switch Factory Set Only
 - ** = Affects Accuracy
 - + = Pointer moves right to left



Contact Information



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