Utility pressure gauges
Model PG121

Nominal size 100 mm, 150mm and 250mm
Accuracy: Class 2.5 (2.5%)



Features

- Rugged construction
- Protection IP54
- Overload protection 130 %
- Standard dial dual scale (psi, kg/cm^2)
- Dry

Ranges

-30 in. Hg ... 0 psi up to 0 ... 10,000 psi

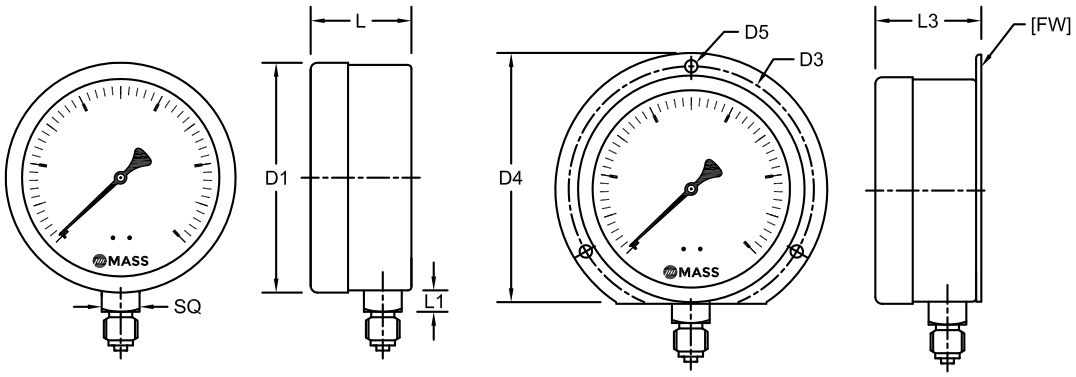
Applications

Heating and ventilation
Machine and apparatus construction
Hydraulic and pneumatic systems
Boiler and refrigeration

Technical specification	**PG121**		
Dial size in mm	100	150	250
Construction	Open front with push-in ring		
Measuring principle	Bourdon tube		
Range in psi	10 15 20 30 50 60 100 150 200 250 300 400 500 600 800 1000 1500 2000 3000 4000 5000 6000 8000 10000		
“Hg / psi	-30”/0 -30”/15 -30”/30 -30”/60 -30”/100 -30”/150 -30/200		
Overpressure limit	130 % F.S., short time.		
Pressure type	Gauge, vacuum and compound		
Process connection	1/4” 3/8” 1/2” BSP / NPT (M) , M20x1.5 (M)		
Connection location	Lower, back		
Material			
Pressure connection	Brass		
Tube	Bronze for ranges ≤ 1000 psi, SS316 for ranges > 1000psi		
Case/ring	Black finished steel case		
Window	Instrument glass		
Dial	Aluminum, black markings on white background		
Pointer	Aluminum, black		
Movement	Brass		
Accuracy	Class 2.5 (2.5%)		
Permissible			
Ambient temperature	-25 ... 60 °C		
Medium temperature	Max. 65 °C		
Storage temperature	-40 ... 65 °C		
Effect	Max. 0,3 % / 10 K		
Protection according	IP54		
Mounting	Standard stem, optional panel, surface		
Weight dry in kg	0.28	0.70	1.94

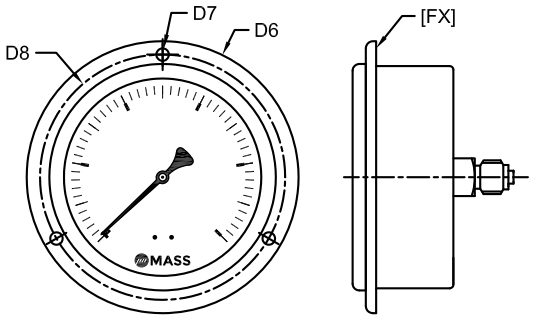
All specifications are subject to change without notice.

General dimensions in mm



Lower Connection Direct Mounting

Lower Connection Surface Mounting



Back Connection Front Panel Mounting

DIAL SIZE	100	150	250
ØD1	98	153	265
ØD2	96	151	252
D3	118	168	-
D4	122	176	-
D5	6	6	-
D6	132	-	-
D7	6	-	-
D8	118	-	-
L	35	40	52
L1	12	14	24
L2	14	-	-
L3	39	42	-
SQ	17	17	32

Order information

Size	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Case Material	Options
(100) 100mm **(150)** 150mm **(250)** 250mm	**(B)** Tube bronze, socket brass[3]	**(D)** dry IP54	**(04)**1/2" NPT (M) [2] **(03)**3/8" NPT (M) **(02)**1/4" NPT (M) **(15)**1/2" BSP (M) [2] **(14)**3/8" BSP (M) **(13)**1/4" BSP (M) **(16)**M20x1.5 (M) [2]	**(L)** Lower **(C)** Centre back[1]	**-30"/ 0** **-30"/ 15** **-30"/ 30** **-30"/ 60** **-30"/ 100** **-30"/ 150** **-30"/ 200**	**(psi & kg/cm^2)** Dual scale "Hg / psi & mmHg / kg/cm^2	**(=)** Standard Steel case black finish	**(NH)** Tagging wired **(DA)** Dial Marking **(ON)** Neutral, without logo **(FX)** Front panel [1] **(FW)** Surface plate
					0/ 10 **0/ 15** **0/ 20** **0/ 30** **0/ 50** **0/ 60** **0/ 100** **0/ 150** **0/ 200** **0/ 250** **0/ 300** **0/ 400** **0/ 500** **0/ 600** **0/ 800** **0/ 1000** **0/ 1500** **0/ 2000** **0/ 3000** **0/ 4000** **0/ 5000** **0/ 6000** **0/ 8000** **0/ 10000**	**(psi & kg/cm^2)** Dual scale psi & kg/cm^2		

1) Only for dial size 100mm 2) only for dial size 250mm 3) for ranges above 1000 psi tube material SS316

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling/Case material	Option
100	PG121	B	D	02	C	0/60	psi & kg/cm^2	=	NH

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