Stainless steel process gauges
Model WPS

Nominal size 63 mm, 100 mm, 115 mm, 150 mm or 250 mm
Accuracy: Class 1(1%) / Class 1.6 (1.6%) for 63mm



Features

- Rugged stainless steel construction
- Measuring system stainless steel or Monel
- Socket and case welded
- Protection IP54, IP65, IP66 and IP67
- Usable to full scale
- Overload protection 130 %
- Dry, liquid filled
- Optional contacts
- Optional external Zero Adjustment

Ranges

-1 ... 0 kg/cm^2 up to 0 ... 2500 kg/cm^2
-30 in. Hg ... 0 psi up to 0 ... 36,000 psi

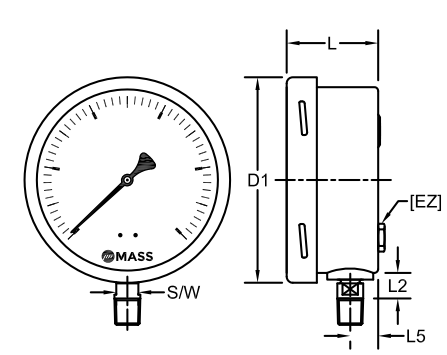
Applications

Chemical & petrochemical industries, refineries
Fertilizer, thermal & nuclear power plants
OEM & machine apparatus

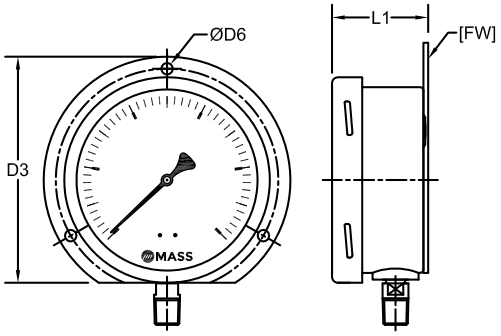
Technical specification	**WPS**				
Dial size in mm	63	100	115	150	250
Construction	Open front cylindrical case with snap action bayonet ring with blow out disc				
Measuring principle Range in kg/cm2 Overpressure limit Pressure type	Bourdon tube 0.6 1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1600 2500 -1/0 -1/0.6 -1/1.5 -1/3 -1/5 -1/9 -1/15 -1/24 130 % F.S., short time. Gauge, vacuum and compound				
Process connection	1/8” 1/4” 3/8” 1/2” BSP / NPT (M) , M20x1.5 (M) Others on request				
Connection location	Lower, back				
Material Pressure connection Tube Case/bayonet ring Window Dial Pointer Movement	 Stainless steel 316, optional 316L, Monel Stainless steel 316, optional 316L, Monel Stainless steel 304 , optional 316L Instrument glass, optional laminated safety glass, acrylic glass Aluminum, black markings on white background, others on request Aluminum, black optional micrometer adjustment Stainless steel 304				
Accuracy	Class1.6(1.6% F.S)	Class 1 (1 % F.S.)		Class1 (1% F.S.), optional 0.5% F.S.	
Permissible Ambient temperature Medium temperature Storage temperature Effect	 -25 ... 60 °C Max. 200 °C (dry), max. 100 °C (for liquid filled) -40 ... 60 °C Max. 0,3 % / 10 K				
Protection according	IP54/IP65/IP66/IP67				
Conformity according to RL 94/9/EC appendix X for mechanical equipment in potential hazardous areas (for 63mm only)	Optional, Marking CE EX II 2 GD c File no. XXXXXXXX at notified body 0044, TUV NORD CERT (only with safety glass)				
Filling liquids	Glycerin, silicone, halocarbon, others on request				
Mounting	Standard stem, optional panel, bracket, surface or others on request				
Weight dry/filled in kg	0.1/0.17	0.51 / 0.86	0.53/0.88	0.88 / 1.78	2.02 /3.52
Accessories, options	NACE, diaphragm seals, valves, electric contacts, dampener, gauge saver, syphon etc				

All specifications are subject to change without notice.

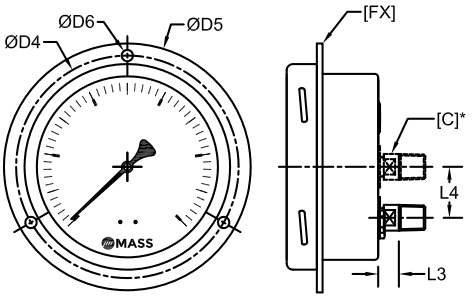
General dimensions in mm



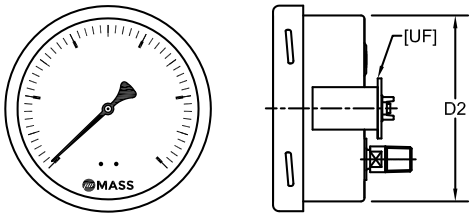
Lower Connection Direct Mounting



Lower Connection Surface Mounting



Back Connection Front Panel Mounting



Back Connection U-Clamp Mounting

DIAL SIZE	63	100	115	150	250
ØD1	68.6	109	127	166	265
ØD2	61.6	98.5	114.5	152	252
D3	78	122	140	176	-
D4	75	118	136	178	-
D5	85	132	152	192	-
D6	3.6	6	6	6	-
D7	75	118	136	168	-
L	33	49	49	49	51.5
L1	37	51.5	51.5	51.5	-
L2	13	16	16	16	18
L3	13	16	16	16	16
L4	19	27	27	27	50
L5	10.8	14.8	14.8	15.5	14.8
SW	11	17	17	17	17

[C]* for 63mm only

Order information

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Filling/case material	Options
(63) 63mm **(100)** 100 mm **(115)** 115mm **(150)** 150mm **(250)** 250mm	**WPS**	**(S)** Socket 316, Tube 316 **(L)** Socket and Tube 316L **(P)** Socket and Tube Monel[1]	**(D)** IP54 **(L)** IP65 **(R)** IP66 **(N)** IP67	**(04)**1/2" NPT (M)[1] **(03)**3/8" NPT (M)[1] **(02)**1/4" NPT (M) **(01)**1/8" NPT (M) **(15)**1/2" BSP (M)[1] **(14)**3/8" BSP(M)[1] **(13)**1/4" BSP(M) **(12)**1/8" BSP(M) **(16)**M20x1.5(M) [1] **(KQ)**1/2" BSPT (M)[1] **(KR)**3/8" BSPT (M)[1] **(KA)**1/4" BSPT (M)	**(L)** Lower **(B)** Back **(C)** Centre back[2]	**-1/ 0** **-1/ 0.6** **-1/ 1.5** **-1/ 3** **-1/ 5** **-1/ 9** **-1/ 15** **-1/ 24** **0/ 0.6**[1] **0/ 1** **0/ 1.6** **0/ 2.5** **0/ 4** **0/ 6** **0/ 10** **0/ 16** **0/ 25** **0/ 40** **0/ 60** **0/ 100** **0/ 160** **0/ 250** **0/ 400** **0/ 600** **0/ 1000** **0/ 1600**[1] **0/ 2500**[1]	**(kg/cm2)** psi and others on request	**(=)** Standard no filling **(GV)** Silicone[5] **(GR)** Glycerin[5] **(GX)** Halocarbon[5] **(YW)** Case material 316L (1.4404) **(EC)** Contact type and function (see EC.1)[1)3) 5)]	**(NH)** Tagging wired **(DA)** Dial Marking **(CS)** Dual Scale **(OF)** Oil free **(MP)** Micrometer pointer[1] **(PD)** Acrylic glass **(SG)** Safety glass **(FX)** Front panel **(FW)** Surface plate **(UF)** U-clamp **(TU)** Throttle screw **(EZ)** External Zero adjustment[1)6)] **(AJ)** Calibration 0.5 % F.S.[4)] **(PR)** Receiver gauge [1)] **(ATX)** ATEX listed [7)]

1) Not for size 63mm 2) For 63mm only 3) For dry gauges only 4) For 150 mm, 250 mm 5) Not for 0.6 kg/cm2 6) not for 250 mm
7) Safety glass (SG) mandatory for Ex-proof and for 63mm only

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling/Case material	Option
150	WPS	S	L	04	L	0/16	KG/CM2	NA	NH

Precision Mass Products Pvt. Ltd.
Plot No.: 2306, G.I.D.C. Chhatral, Ta: Kalol, Dist.: Gandhinagar,
Chhatral -382729, Gujarat, India.
Telephone: +91-2764 233681/82/83 Fax: +91-2764-233440
Email: sales@precisionmass.com www.precisionmass.com

- North Zone : sales.delhi@precisionmass.com
- East zone : sales.kolkata@precisionmass.com
- West zone : sales.mumbai@precisionmass.com
- South zone : sales.chennai@precisionmass.com