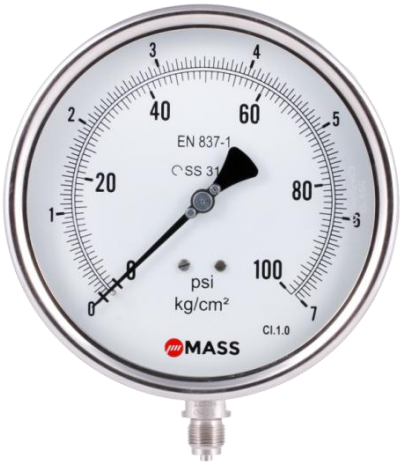
Stainless steel process gauges
Model ZPS

Nominal size 100 mm, 115 mm, 150 mm
Accuracy: Class 1(1%)



Features

- Rugged stainless steel construction
- Socket and case welded
- Protection 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 ... 1000 kg/cm^2
-30 in. Hg ... 0 psi up to 0 ... 15,000 psi

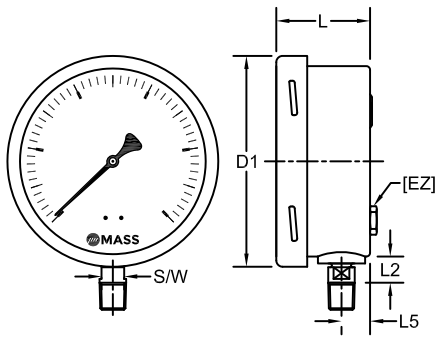
Applications

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

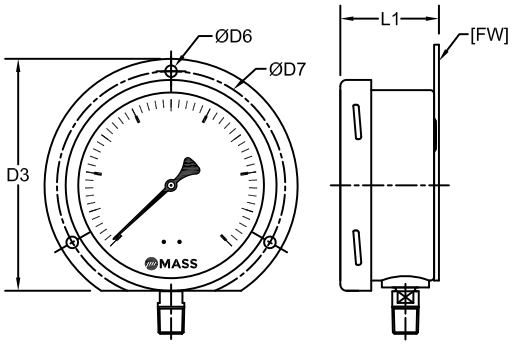
Technical specification	**ZPS**		
Dial size in mm	100	115	150
Construction	Open front cylindrical case with snap action bayonet ring with blow out disc		
Measuring principle Range in kg/cm2 Overpressure limit Pressure type	Bourdon tube 0.6 1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 -1/0 -1/0.6 -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 Stainless steel 316, optional 316L Stainless steel 304 , optional 316L Toughened glass, optional Safety Glass, acrylic glass Aluminum, black markings on white background, others on request Aluminum, black optional micrometer adjustment Stainless steel		
Accuracy	Class 1 (1 % 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	IP65/IP66/IP67		
Filling liquids	Glycerin		
Mounting	Standard stem, optional panel, bracket, surface or others on request		
Weight dry/filled in kg	0.51 / 0.86	0.64/0.99	0.88 / 1.78
Accessories, options	NACE, diaphragm seals, valves, dampener, gauge saver, syphon etc		

All specifications are subject to change without notice.

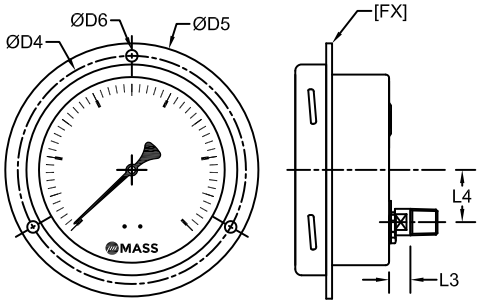
General dimensions in mm



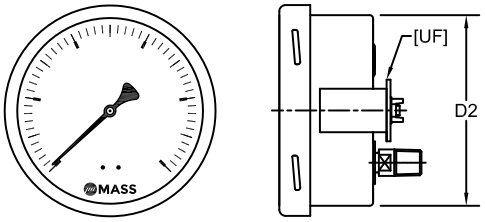
Lower Connection Direct Mounting



Lower Connection Surface Mounting



Back Connection Front Panel Mounting



Back Connection U-Clamp Mounting

DIAL SIZE	100	115	150
ØD1	109	127	166
ØD2	98.5	114.5	152
D3	122	140	176
D4	118	136	178
D5	132	152	192
D6	6	6	6
D7	118	136	168
L	49	49	49
L1	51.5	51.5	51.5
L2	16	16	16
L3	16	16	16
L4	27	27	27
L5	14.8	14.8	15.5
SW	17	17	17

Order information

Size	Type	System material	Execution	Process Connection	Connection orientation	Range	Engineering units	Filling/case material	Options
(100) 100 mm **(115)** 115mm **(150)** 150mm	**ZPS**	**(S)** Socket 316, Tube 316 **(L)** Socket and Tube 316L	**(L)** IP65 **(R)** IP66 **(N)** IP67	**(04)**1/2" NPT (M) **(03)**3/8" NPT (M) **(02)**1/4" NPT (M) **(01)**1/8" NPT (M) **(15)**1/2" BSP (M) **(14)**3/8" BSP(M) **(13)**1/4" BSP(M) **(12)**1/8" BSP(M) **(16)**M20x1.5(M) **(KQ)**1/2" BSPT (M) **(KR)**3/8" BSPT (M) **(KA)**1/4" BSPT (M)	**(L)** Lower **(B)** Back	**-1/ 0** **-1/ 0.6** **-1/ 1.5** **-1/ 3** **-1/ 5** **-1/ 9** **-1/ 15** **-1/ 24** **0/ 0.6** **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**	**(kg/cm2)** psi and others on request	**(=)** Standard no filling **(GV)** Silicone[2)] **(GR)** Glycerin[2)] **(GX)** Halocar-bon[2)] **(YW)** Case material 316L (1.4404)	**(NH)** Tagging wired **(DA)** Dial Marking **(CS)** Dual Scale **(OF)** Oil free **(MP)** Micrometer pointer **(PD)** Acrylic glass **(SG)** Safety Glass **(FX)** Front panel **(FW)** Surface plate **(UF)** U-clamp **(TU)** Throttle screw **(EZ)** External Zero adjustment

1) Specify details 2) Not for 0.6 kg/cm2

How to order

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

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