All stainless steel safety process gauges
Model SFS

According DIN EN 837-1
Nominal size 100 mm, 115 mm, 150 mm
Accuracy: Class 1(1%)



Features

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

Ranges

-1 ... 0 bar up to 0 ... 1400 kg/cm^2
-30 in. Hg ... 0 psi up to 0 ... 20,000 psi

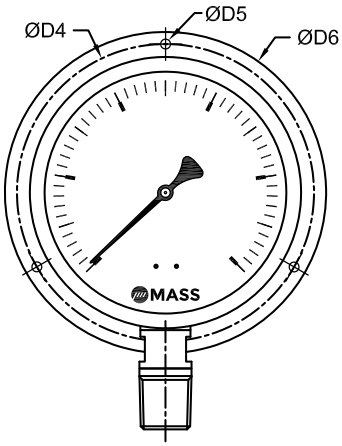
Applications

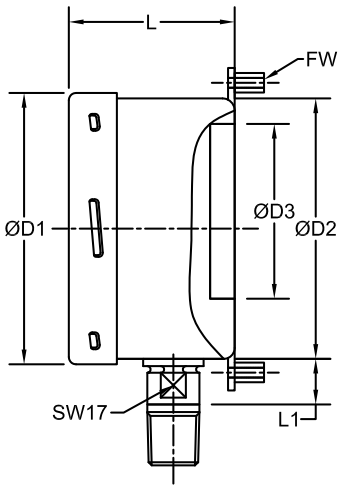
Chemical, petrochemical industry, petroleum refinery
Fertilizer, thermal & nuclear power generation industry
Machine and apparatus construction

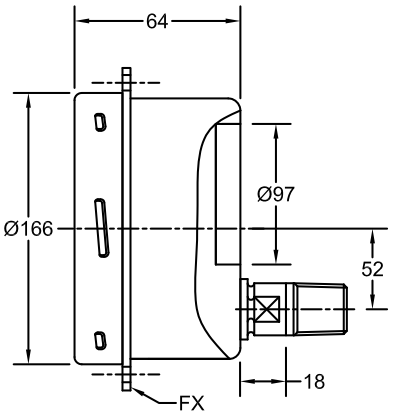
Technical specification	**SFS**		
Dial size in mm	100	115	150
Construction	Solid front safety pattern cylindrical case with blowout at the back		
Measuring principle Range in kg/cm2 Overpressure limit Pressure type	Bourdon tube 0.6 1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1400 -1/0 -1/0.6 -0/1.5 -1/3 -1/5 -1/9 -1/15 -1/24 130 % F.S., short time. Gauge, vacuum and compound		
Process connection	1/4” 3/8” 1/2” BSP / NPT (M) , M20x1.5 (M), Others on request		
Connection location	Lower, back(for 150 mm only)		
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 laminated safety glass Aluminum, black markings on white background Aluminum, black optional - micrometer adjustment others on request Stainless steel 304		
Accuracy	Class 1 (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		
Filling liquids	Glycerin, silicone, halocarbon, others on request		
Mounting	Standard stem, optional flush, surface		
Weight dry/filled in kg	0.63 / 1.02	0.76 / 1.65	1.14 / 2.08
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







FOR 150mm ONLY

DIAL SIZE	100	115	150
ØD1	109	127	166
ØD2	99	115	152
ØD3	85	97	113
ØD4	118	136	178
ØD5	6	6	6
ØD6	132	152	192
L	58	58	64
L2	13	18	18

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	**SFS**	**(S)** Socket 316, Tube 316 **(L)** Socket and Tube 316L **(P)** Socket and Tube Monel	**(D)** IP54 **(L)** IP65	**(04)**1/2" NPT (M) **(03)**3/8" NPT (M) **(02)**1/4" NPT (M) **(15)**1/2" BSP (M) **(14)**3/8" BSP(M) **(13)**1/4" BSP(M) **(16)**M20x1.5(M) Others on request	**(L)** Lower **(B)** Back[2]	**-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** **0/ 1400**	**(kg/cm2)** psi & others on request	**(=)** Standard no filling **(GV)** Silicone[1] **(GR)** Glycerin[1] **(GX)** Halocarbon[1] **(YW)** Case material 316L (1.4404) **(EC)** Contact type and function (see EC.1)[1]	**(NH)** Tagging wired **(DA)** Dial Marking **(CS)** Dual scale **(OF)** Oil free **(MP)** Micrometer pointer **(EZ)** External Zero adjustment **(FX)** Front panel **(FW)** Surface plate **(TU)** Throttle screw **(AJ)** Calibration 0.5 % F.S.[2] **(AV)** Anti-Vibration[3] Others on request

1) Not for range 0.6 kg/cm² 2) For size 150mm and range up to 0/700 kg/cm2 only
3) For pressure ranges ≥ 2.5 kg/cm2 & available with limited options, Halocarbon filling not allowed & consult engineering.

How to order

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

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