Stainless steel test gauge open front or solid front
Model TGS

Nominal size 150 mm or 250 mm
Accuracy: 0.5%



Features
- Rugged stainless steel construction
- Protection IP65
- Usable to full scale
- Overload protection 130 %
- Dry, liquid filled
- Measuring system stainless steel all welded
- Optional external Zero Adjustment

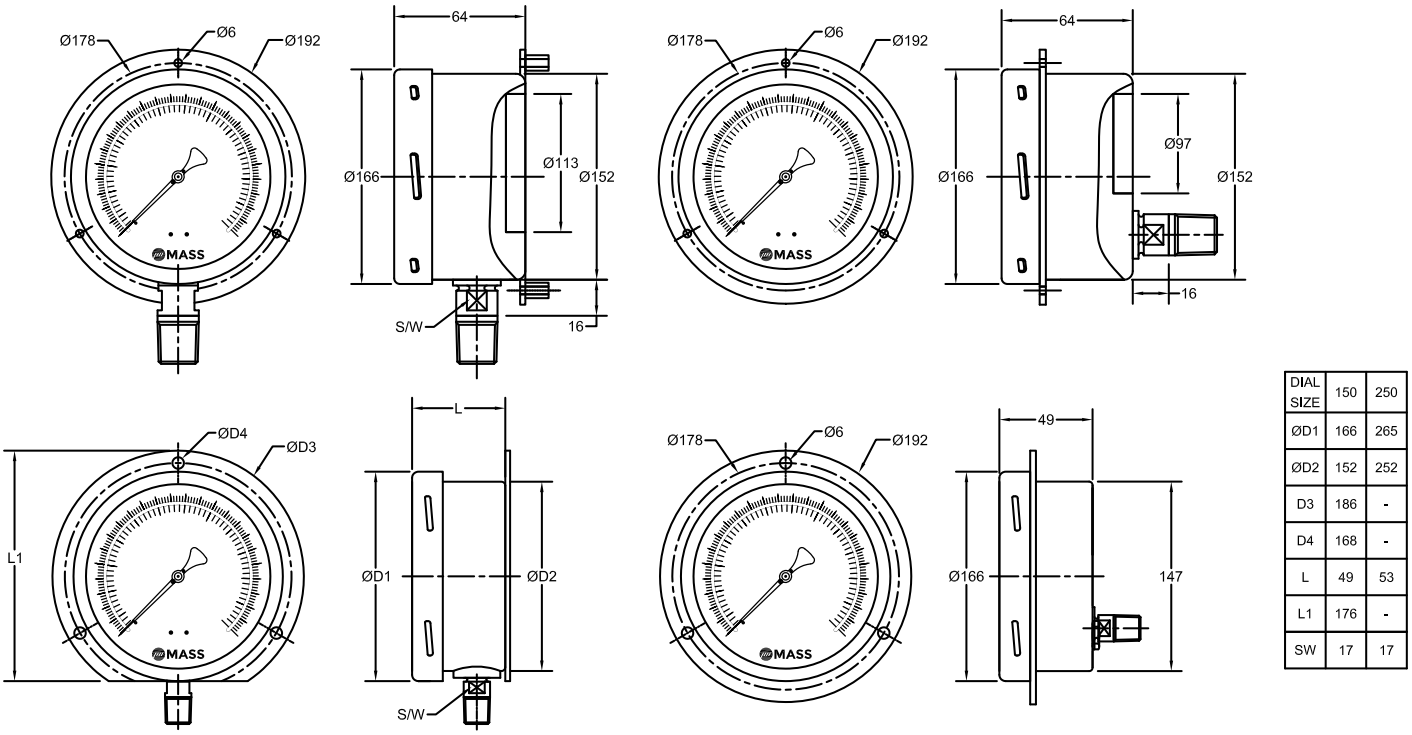
Ranges
-1 ... 0 kg/cm^2 up to 0 ... 1000 kg/cm^2
-30 in. Hg ... 0 psi up to 0 ... 15,000 psi

Applications
Chemical & petrochemical industries
Machine and apparatus construction
Food and beverage industries
Pulp and paper industries

Technical specification	**TGS**	
Dial size in mm	150	250
Construction	Open front cylindrical case with snap action bayonet ring, optional solid front for 150mm	
Measuring principle Range in kg/cm^2 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	1/4” 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 Stainless steel 316L Stainless steel 304 optional 316L Instrument glass, optional laminated safety glass, acrylic glass Aluminum, black markings on white background, with polished mirror band Aluminum, black knife edge, optional - micrometer adjustment others on request Brass and Stainless steel 304	
Accuracy	Class 0.5 (0.5% F.S)	
Permissible Ambient temperature Medium temperature Storage temperature Effect	 -25 ... 60 °C Max. 100 °C -40 ... 60 °C Max. 0,3 % / 10 K	
Protection according	IP65	
Filling liquids	Glycerin, silicone, halocarbon, others on request	
Mounting	Standard stem, optional panel, bracket, surface or others on request	
Weight dry/filled in kg	0.87 / 1.68	1.99 / 4.09
Accessories, options	Valves	

All specifications are subject to change without notice.

General dimensions in mm



DIAL SIZE	150	250
ØD1	166	265
ØD2	152	252
D3	186	-
D4	168	-
L	49	53
L1	176	-
SW	17	17

Order information

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Filling/case material	Options
(150) 150mm **(250)** 250mm[3]	**TGS**	**(S)** Socket 316, Tube 316L	**(=)** 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)	**(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**[2] **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 **(GR)** Glycerin **(GX)** Halocarbon **(YW)** Case material 316L	**(NH)** Tagging wired **(DA)** Dial Marking **(CS)** Dual Scale **(OF)** Oil free **(PD)** Acrylic glass **(MP)** Micrometer pointer **(EZ)** External Zero adjustment **(SG)** Safety glass **(FX)** Front panel **(FW)** Surface plate **(UF)** U-clamp[3] **(SF)** Solid front[1]

1) Not for 250mm 2) Not for liquid filled 3) Not for solid front (SF)

How to order

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

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