Pressure Gauge (analogue) ▪ Type SPG



Pressure Gauge (Analogue) Type SPG (Stem Mounting)



Pressure Gauge (Analogue) Type SPG (Panel Mounting)

Product Description

Area of Application

- Mechanical pressure measurement

Features

- Suitable for hydraulic oil and gaseous media compatible with copper based alloys
- Available in nominal sizes 63 and 100 mm / 2.5 and 4 in
- Thread form: for BSP (G1/4 and G1/2), NPT (1/4 NPT and 1/2 NPT), SAE (7/16–20 UNF)
- Stainless Steel (1.4301) housing
- Acrylic sight glass
- Glycerine filled
- Standard dual scales with pressure indication in bar and PSI
- U-bolt or flange mounting kit on request

Note: Please contact STAUFF before you use SPG with other media.

Options

- Protective rubber cap
- Additional scale readings including personilisation
- U-bolt and flange mounting kits are available separately as spare parts

Technical Data

- Pressure gauge according to EN 837-1
- Subject to technical modifications

Accuracies

SPG-063:	1.6 (± 1.6 % FS* as per EN 837-1)
SPG-100:	1.0 (± 1.0 % FS* as per EN 837-1)

Permissible Temperatures

▪ Ambient:	-20 °C ... +60 °C / -4 °F ... +140 °F
▪ Media:	max. +60 °C / max. +140 °F

Protection Ratings

▪ IP 65:	for all manometer SPG-100 and SPG-063 > 16 bar / 232 PSI IP 65 protection rating: Dust tight and protected against water jets
▪ IP 54	for all manometer SPG-063 ≤ 16 bar / 232 PSI due to pressure compensation opening IP 54 protection rating: Dust protected and protected against splashing water

For further information see Catalogue 7 - STAUFF Test.

Order Codes

SPG - 063 - 00160 - 01 - P - B04 - U

① ② ③ ④ ⑤ ⑥ ⑦

① Series and Type

Stainless Steel Pressure Gauge	**SPG**

② Size

Ø 63 mm, with G1/4 or 1/4 NPT connection	**063**
Ø 100 mm, with G1/2 or 1/2 NPT connection	**100**

③ Pressure Ranges

Pressure Ranges for style of scale 01 - bar/PSI	Code	Pressure Ranges for style of scale 05 - PSI/bar	Code
-1 ... 1,5 bar / -14.5 ... 21 PSI	**(-00001)-00001.5**	-1,02 ... 0 bar / -30 inHg ... 0 PSI	**30HG30**
-1 ... 3 bar / -14.5 ... 43 PSI	**(-00001)-00003**	-1,02 ... 2,07 bar / -30 inHg ... 30 PSI	**03030**
0 ... 10 bar / 0 ... 145 PSI	**00010**	0 ... 2,07 bar / 0 ... 30 PSI	**00030**
0 ... 16 bar / 0 ... 232 PSI	**00016**	0 ... 4,14 bar / 0 ... 60 PSI	**00060**
0 ... 25 bar / 0 ... 362 PSI	**00025**	0 ... 6,89 bar / 0 ... 100 PSI	**00100**
0 ... 40 bar / 0 ... 580 PSI	**00040**	0 ... 11,03 bar / 0 ... 160 PSI	**00160**
0 ... 60 bar / 0 ... 870 PSI	**00060**	0 ... 13,79 bar / 0 ... 200 PSI	**00200**
0 ... 100 bar / 0 ... 1450 PSI	**00100**	0 ... 20,68 bar / 0 ... 300 PSI	**00300**
0 ... 160 bar / 0 ... 2320 PSI	**00160**	0 ... 34,74 bar / 0 ... 500 PSI	**00500**
0 ... 250 bar / 0 ... 3625 PSI	**00250**	0 ... 41,37 bar / 0 ... 600 PSI	**00600**
0 ... 400 bar / 0 ... 5801 PSI	**00400**	0 ... 68,95 bar / 0 ... 1000 PSI	**01000**
0 ... 600 bar / 0 ... 8702 PSI	**00600**	0 ... 103,42 bar / 0 ... 1500 PSI	**01500**
0 ... 680 bar / 0 ... 9862 PSI	**00680**	0 ... 137,90 bar / 0 ... 2000 PSI	**02000**
0 ... 700 bar / 0 ... 10152 PSI	**00700**	0 ... 206,84 bar / 0 ... 3000 PSI	**03000**
0 ... 1000 bar / 0 ... 14503 PSI	**01000**	0 ... 275,79 bar / 0 ... 4000 PSI	**04000**
		0 ... 344,74 bar / 0 ... 5000 PSI	**05000**
		0 ... 413,69 bar / 0 ... 6000 PSI	**06000**
		0 ... 517,11 bar / 0 ... 7500 PSI	**07500**
		0 ... 689,48 bar / 0 ... 10000 PSI	**10000**

Note: Others on request. Information always refer to the pressure setting of the outside scale.

④ Styles of Scales

bar / PSI (bar outside/PSI inside - standard option Europe)	**01**
bar	**02**
PSI	**03**
PSI / bar (PSI outside/ bar inside - standard option North America)	**05**
kPa / PSI (kPa outside/ PSI inside)	**10**

Note: Others on request.

⑤ Adaption

Stem mounting	**S**
Panel mounting	**P**

⑥ Process Connection

G1/4 (only SPG-063)	**B04**
G1/2 (only SPG-100)	**B08**
1/4 NPT (only SPG-063)	**N04**
1/2 NPT (only SPG-100)	**N08**
7/16–20 UNF (only SPG-063)	**U04**

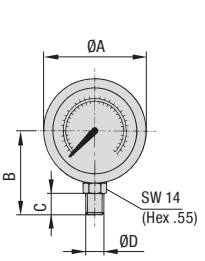
Note: Others on request.

⑦ Accessories

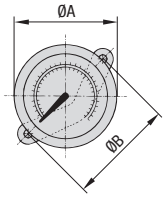
No accessory	**(none)**
U-bolt assembly	**U**
Front flange assembly (for panel mount only)	**F**
Rear flange assembly	**R**
U-bolt and front flange assembly (for panel mount only)	**UF**
Protective rubber cap (for stem mount only)	**G**

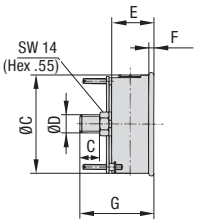
* FS = Full Scale

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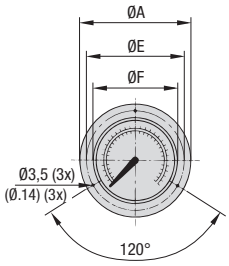


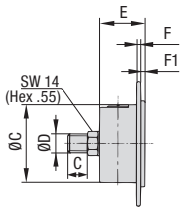
SPG-063 ... S ...





SPG-063 ... P ... U

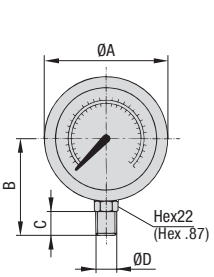




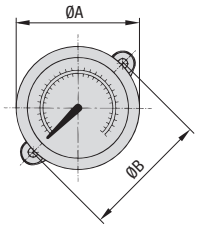
SPG-063 ... P ... F

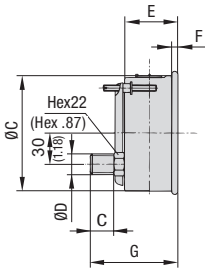
Dimensions SPG-063

Version	Dimension (mm/in)											
Pressure Gauge	ØA	ØB	ØC	ØD	ØE	ØF	B	C	E	F	F1	G
SPG-063	69	-	-	G1/4	-	-	54	15	32	6,5	-	-
	2.72			1/4 NPT			2.13	.59	1.26	.26		
				7/16–20 UNF								
SPG-063 ... U	69	72	62	G1/4	-	-	-	15	32	6,5	-	56
	2.72	2.83	2.44	1/4 NPT				.59	1.26	.26		2.20
				7/16–20 UNF								
SPG-063 ... F	85	-	62	G1/4	75	68	-	15	32	1	6,5	-
	3.35		2.44	1/4 NPT	2.95	2.68		.59	1.26	.04	.26	
				7/16–20 UNF								

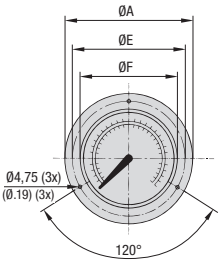


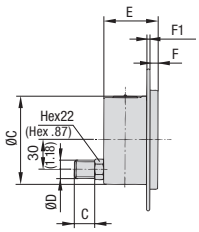
SPG-100 ... S ...





SPG-100 ... P ... U





SPG-100 ... P ... F

Dimensions SPG-100

Version	Dimension (mm/in)											
Pressure Gauge	ØA	ØB	ØC	ØD	ØE	ØF	B	C	E	F	F1	G
SPG-100	107	-	-	G1/2	-	-	87	23	48	8	-	-
	4.21			1/2 NPT			3.43	.91	1.89	.31		
SPG-100 ... U	107	107	100	G1/2	-	-	-	23	48	8	-	81,5
	4.21	4.21	3.94	1/2 NPT				.91	1.89	.31		3.21
SPG-100 ... F	132	-	100	G1/2	116	107	-	23	48	8	1,25	-
	5.20		3.94	1/2 NPT	4.57	4.21		.91	1.89	.31	.05	

* FS = Full Scale

Dimensional drawings: All dimensions in mm (in).