

## Solid Front Safety Pattern Pressure Gauge **GS Range**

- Nominal Diameter options of 100mm, 150mm St.St. case
- Nominal Diameter 125mm Phenolic case
- Degree of Protection IP55/IP65.
- Blowout Protection.
- Ranges up to 4000bar
- Monel pressure connection, material and options available.
- ATEX II 2 G/D option

### Performance **characteristics**

#### Enclosure options

- IP55 Protection for non filled
- IP65 Protection for filled

#### Pressure Connection Material

- 316 Stainless Steel as standard

#### Dials

- White Aluminium with black graduation

#### Process connection

- $\frac{1}{2}$ -14 NPT, G1/2B or 5/8"-18 UNF, M16 x 1.5 for high pressure applications

#### Accuracy

- Model GS 1.0 per EN 837-1:1998 , 0.6 optional

#### Ambient temperature

- -30 to +60 °C non fluid
- +10 to +60 °C glycerine filled
- -30 to +60 °C silicone fluid filled

#### Process temperature

- -30 to +250 °C non fluid
- +10 to +80 °C glycerine filled
- -30 to +120 °C silicone fluid filled
- +10 to +150 °C (ranges 2500/4000 bar)



### Product **applications**

The GS range is suitable for a wide range of applications in many Industry sectors where a safety barrier & blow out back are required to give added safety:

- Oil & Gas
- Chemical
- Petrochemical
- Refining
- Power
- Marine
- Food Industry
- OEM

The choice of models available ensures suitability for use in:

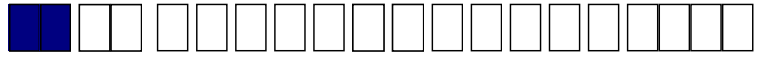
- Corrosive atmospheres
- Resistant to chemical attack

### How can we **help you?**

Delta Controls' range of reliable pressure and temperature measurement instruments can be customised to meet individual requirements. For technical advice or to discuss your application please contact us on +44 (0)1252 729 140

## Model

TABLE 1



	Code
<b>Industrial Service Pressure Gauge</b> 100mm: -1 to 0 & 0 to 1600 Bar 150mm: -1 to 0 & 0 to 4000 Bar 125mm: -1 to 0 & 0 to 1000 Bar  Refer to Table 2	GS
<b>ATEX certified Industrial Service Pressure Gauge</b> ATEX service pressure gauge - II 2 G/D other specification as GS	AS

## Range

TABLE 2



	Range	Bar	Kg/cm <sup>2</sup>	MPa	KPa	PSI	inHg & PSI	Code
Vacuum Gauge	-1 to 0	√	√					A0
	-100 to 0				√			AA
	-130 to 0						√	AB
Compound Ranges	-1 to + 0.6	√	√					CF
	-1 to + 1.5	√	√					G3
	-1 to +3	√	√					CG
	-1 to + 5	√	√					CH
	-1 to + 9	√	√					CI
	-1 to + 15	√	√					CJ
	-1 to + 24	√	√					CK
	-30 to +15						√	CL
	-30 to +30						√	CM
	-30 to +150						√	CN
	-100 to +150					√		GJ
	-100 to +300					√		CA
	-100 to +500					√		CD
	-100 to +900					√		CP
	-100 to +1500					√		CQ
	-100 to +2400					√		CR
Gauge Pressure Ranges	0 to 1	√	√					DA
	0 to 1.6	√	√					DB
	0 to 2.5	√	√					DC
	0 to 4	√	√					DD
	0 to 6	√	√	√				DE
	0 to 10	√	√	√				EA
	0 to 15					√		DK
	0 to 16	√	√	√				EB
	0 to 25	√	√	√				EC
	0 to 30					√		DP
	0 to 40	√	√	√				ED
	0 to 60	√	√	√		√		EE
	0 to 100	√	√	√	√	√		FA
	0 to 160	√	√	√	√	√		FB
	0 to 200					√		PF
	0 to 250	√	√	√	√			FC
	0 to 300					√		ER
	0 to 400	√	√	√	√	√		FD
	0 to 600	√	√		√	√		FE
	0 to 1000	√	√		√	√		GA
0 to 1500					√		F6	
0 to 1600	√	√		√			GB	
0 to 2000					√		UB	
0 to 2500	√	√		√			GC	

**Range**

Continued .... Table 2

	Range	Bar	Kg/cm <sup>2</sup>	MPa	KPa	PSI	inHg & PSI	Code	
Gauge Pressure Ranges	0 to 3000					√		UF	
	0 to 4000	√	√		√	√		V2	
	0 to 5000					√		W2	
	0 to 6000					√		W9	
	0 to 10000					√		YF	
	0 to 15000						√		YK
0 to 20000						√		YP	

**Pressure Units**

**TABLE 3**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	Code
Kg/cm <sup>2</sup>	B
Vacuum inches Hg and pressure PSI	C
Bar	H
MPa	I
KPa	J
psi	P

**Inner Scale**

**TABLE 4**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	Code
Inner Scale not required	0
Kg/cm <sup>2</sup>	B
Vacuum inches Hg and pressure PSI	C
Bar	H
MPa	I
KPa	J
psi	P

**Over Pressure**

**TABLE 5**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	Code
130 percent of full scale deflection up to 1600 bar ranges	1
160 percent of full scale deflection up to 60 bar ranges	2
250 percent of full scale deflection up to 60 bar ranges	3
Equal to full scale deflection (2500/4000 bar)	0

**Gauge Diameter**

**TABLE 6**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	Code
100mm (nominal 4") St. St. case only	4
150mm (nominal 6") St. St. case only	6
125mm (nominal 5") phenolic case only	5

**Mounting**

**TABLE 7**

	Code
Bottom Connection, Direct	A
Bottom Connection, Surface, Case Mounting Plate	B

**Fill**

**TABLE 8**

	Code
No Fill	0
Fillable	E
Glycerine	G
Silicone	S

**Accuracy Class**

**TABLE 9**

	Code
Class 1.0 (+/- 1 percent of full scale deflection)	A
Class 0.6 (+/- 0.6 percent of full scale deflection for ranges 1600bar or less)	C
Class 0.6 (+/- 0.6 percent of full scale deflection for ranges 2500 and 400 bar)	E
Class 0.5 (+/- 1 percent of full scale deflection)	G

**Process Connection**

**TABLE 10**

	Code
High Pressure 5/8-18 UNF	F
High Pressure M16 x 1.5	G
1/2-14 NPT External.	J
G1/2B	K

**Material of Wetted Parts**

**TABLE 11**

	Code
Monel Bourdon tube and process connection also suitable NACE MR.01.75	M
Stainless steel AISI 316Ti Bourdon tube and 316L process connection.	S

## Material of Gauge Case

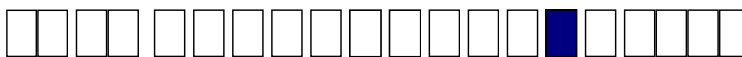
TABLE 12



	Code
Gauge nominal diameter 100 or 150mm diameter - Case and ring in AISI 304 stainless steel with laminated safety glass window	0
Gauge nominal diameter 100mm (4inch), case and ring with bayonet bezel in AISI 316 stainless steel with laminated safety glass window	1
Gauge nominal diameter 150mm (6inch), case and ring with bayonet bezel in AISI 316 stainless steel with laminated safety glass window	2
Gauge nominal diameter 125mm - Phenolic casing with methacrylate window	5
Gauge nominal diameter 125mm - Phenolic casing with laminated safety glass window	6

## Scale Pointer Options

TABLE 13



	Code
Standard only no options this model	0
Elastic pointer stop in case of sudden return to zero	5

## Options Available

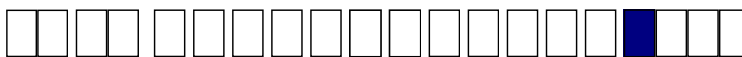
TABLE 14



	Code
No additional options required	0
Tag number printed on dial face (Nominal gauge diameters 100mm (4inch) and 150mm (6inch) St. St. casing	1
Tag number printed on dial face (Nominal gauge diameter 125mm (4 1/2") Phenolic casing	2
Stainless steel tag plate.	4
Serial number printed on dial face (Nominal gauge diameters 100mm (4inch) and 150mm (6inch) St. St. casing	5
Serial number printed on dial face ((Nominal gauge diameter 125mm (4 1/2"inch) Phenolic casing	6

## Treatments Available

TABLE 15



	Code
No additional treatment required	0
Tropicalised	1
Wetted parts prepared for Oxygen service.	4

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