

Solid Front Model SPG

Our *SPG Pressure Gauges* are designed for **accurate** pressure measurement with a **reliable, robust** design and built for **industrial** purposes.

General Specification

Nominal Size:	100 mm or 150 mm
Case:	304 Stainless Steel with solid front and blow out back or 316 SS
Dial:	Aluminium, black lettering on white to EN837-1
Window:	Safety Glass or Electrical Contact Head
Mounting:	Direct mount (bottom entry) / Surface mount (bottom entry) / Panel Mount (rear entry)
Filling:	Dry gauge (glycerine fillable) or Glycerine filled
Pointer:	Aluminium black. Standard or Micro Adjustable
Wetted Parts:	AISI 316 Stainless Steel block & bourdon tube or Monel to NACE MR-01-75
Movement:	AISI 304 Stainless Steel
Ranges:	From -1 to 1000 BAR
Connection:	1/2" BSP or NPT and 3/8" BSP
Accuracy:	Class 1.0 ($\pm 1.0\%$ FSD) or 0.5%
Over Range Protection:	1.3 x FSD (130%)
Safety Pattern Designation:	Full Safety Pattern to European Standard EN837-1 (S3)
Ingress Protection:	IP65 as per EN 60 529 / IEC 529
Ambient Temperature:	-40°C to +60°C (Dry) / -20°C to +60°C max (Filled)
Process Temperature:	+200°C max (Dry) / +100°C max (Filled)
Weight:	(100 mm.) Dry: 0.6 kg, Filled: 1.1 kg (150 mm.) Dry: 1.1 kg, Filled: 1.8 kg
Extras:	Oxygen Clean, Internal Stops, SS Tags, Snubbers, Manifolds, Syphons and Over-Range Protector



SPG Model

For other options, please contact us Sales@rototherm.co.uk or +44 (0)1656 740551

Main Applications

A **world leader** in pressure gauges, Rotherm has become the standard for accurate and reliable measurement across the following industries:



On/Offshore Environments



Power Stations



Chemical & Petrochemical



Plant construction

Ordering Information

SPG Pressure Gauge	STANDARD →	SPG100	12	A	G	0	RD	O101BBP	1	N	4	L	-	-
Model	SPG with 100 mm. dial size SPG with 150 mm. dial size	SPG100 SPG150												
Mounting & Connection	Direct/Bottom Entry Surface (3 Hole Back)/Bottom Entry Panel Mount (3 hole front flange)/Back Entry	12 22 46												
Case Material	304 SS 316 SS	A B												
Window	Safety Glass Electrical Contact Head* (See options below)	G E												
Pointer	Standard Micro-Adjust	0 M												
Filling	Dry (Glycerine Fillable) Glycerine filled (N/A for rear entry gauges) Non-fillable (for Panel Mount & Electrical Contact Head only)	RD RG RX												
Pressure Range	-1 TO + 0 BAR/PSI -1 TO +10 BAR/PSI 0 TO 1 BAR/PSI (63mm) 0 TO 2.5 BAR/PSI 0 TO 7 BAR/PSI 0 TO 10 BAR/PSI 0 TO 16 BAR/PSI 0 TO 20 BAR/PSI 0 TO 40 BAR/PSI 0 TO 60 BAR/PSI 0 TO 100 BAR/PSI 0 TO 250 BAR/PSI 0 TO 400 BAR/PSI 0 TO 600 BAR/PSI 0 TO 1000 BAR/PSI <i>(For non-standard ranges, please contact us)</i>	L100BBP L101BBP O100BBP O250BBP O700BBP O101BBP O161BBP O201BBP O401BBP O601BBP O102BBP O252BBP O402BBP O602BBP 1000BBP												
Accuracy	1% 0.5%	1 2												
Block Threads	NPT BSP	N B												
Thread Size	1/2" 3/8" (Only available for BSP)	4 3												
Wetted Parts	316 SS Monel	L M												
Standard Extras	Oxygen Clean Stainless Steel Tag	O T												
Internal Stops	Lower Upper Both	L U B												

Electrical Contact Head Options

Type	Contact Action	Return Type	Action Type	Cable Length
Single	Type A – Break on Rise	Common Return	Standard	1 m
	Type B – Make on Rise			
Double	Type C – Break on Rise x2	Common Return	Standard	1 m
	Type D – Make on Rise x2			
	Type E – Break on Rise / Make on Rise			

For any other options, please contact us sales@rototherm.co.uk or +44 (0)1656 740551

Other Extras

Type	Description	Material	Connections
Snubber	Pulsation Dampener	316 SS	1/2" NPT M x F 1/4" BSP M x F 3/8" BSP M x F
Manifold	2 - Valve 3 - Valve 5- Valve	316 SS 316 SS to NACE MR-01-75	1/2" NPT
Syphon	Standard	316 SS	1/2" BSP M x F 1/2" NPT M x F
Over-range Protector	Rating: 6000 PSI (400 bar)	316 SS	1/2" NPT M x F

Technical Certification

- Certificate of conformity
- Factory Test Certificate
- Factory Calibration Certificate (3 point)
- Factory Calibration Certificate (5 point)
- Material Certificate

Export Documentation

- Certificate of Origin
- EUR1
- ATR

Calibration and After-Sales Support

- Fully trained field service personnel
- Use of UKAS certified calibration equipment
- 5 day turnaround
- Fixed pricing
- Approved manufacturer parts
- Full post-service reports
- 12 month warranty



For more information, please contact our service team
services@rototherm.co.uk