

Aluminium Solid Front Model SPGA

Our *SPGA Pressure Gauges* are designed for **accurate** pressure measurement with a **reliable, robust** design and built for **industrial** purposes. Also available according to **Defence Standard 66/2**.

General Specification

Nominal Size:	63mm, 100mm and 150 mm
Case:	Aluminium case painted black, solid front and blow out back or painted in admiralty grey for Def Stan 66/2
Dial:	Aluminium, black lettering on white to EN837-1
Window:	Safety Glass or Electrical Contact Head
Mounting:	Direct mount (bottom entry) / Direct mount (rear entry) / Surface mount (direct entry) / Panel Mount (rear entry)
Filling:	Non-fillable
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
Connections:	1/2" BSP or NPT, 3/8" BSP and 1/4" BSP or NPT for 63 mm
Accuracy:	Class 1.0 ($\pm 1.0\%$ FSD) for 100 and 150 mm / 1.6% ($\pm 1.6\%$ FSD) for 63 mm / 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
Process Temperature:	+200°C max
Weight:	Up to 1 kg.
Extras:	Oxygen Clean and SS Tags



**Def Stan 66/2
SPGA 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:



Defence



On/Offshore
Environments



Power
Stations



Chemical &
Petrochemical



Plant
Construction

Ordering Information

SPGA Pressure Gauge	STANDARD →	SPGA100	12C	G	ORX	O101BBX	1	N	4	L	-
Model	SPG with 63 mm. dial size <i>(up to 60 Bar only)</i> SPGA with 100 mm. dial size SPG with 150 mm. dial size	SPGA063 SPGA100 SPGA150									
Mounting & Connection	Direct/Bottom Entry Direct/Rear Entry Surface (3 Hole Back)/Bottom Entry Panel Mount (3 hole front flange)/Back Entry		12C 16C 22C 46C								
Window	Safety Glass Electrical Contact Head* <i>(See options below)</i>			G E							
Pointer	Standard Micro-Adjust				ORX MRX						
Pressure Range	-1 TO + 1.5 0 TO 1.6 0 TO 2.5 0 TO 4 0 TO 6 0 TO 7 0 TO 10 0 TO 16 0 TO 20 0 TO 25 0 TO 40 0 TO 60 0 TO 70 0 TO 100 0 TO 160 0 TO 250 0 TO 300 0 TO 400 0 TO 600 0 TO 1000 <i>(For other ranges, please contact us)</i>					L150BBX O160BBX O250BBX O400BBX O600BBX O700BBX O101BBX O161BBX O201BBX O251BBX O401BBX O601BBX O701BBX O102BBX O162BBX O252BBX O302BBX O402BBX O602BBX O103BBX					
Accuracy	1% 0.5%						1 2				
Block Threads	NPT BSP							N B			
Thread Size	1/2" 1/4" <i>(Only available for 63 mm)</i> 3/8" <i>(Only available for BSP)</i>								4 2 3		
Wetted Parts	316 SS Monel									L M	
Standard Extras	Oxygen Clean Stainless Steel Tag										O T

Electrical Contact Head Options

Type	Contact Action	Return Type	Action Type	Cable Length
Single	Type A – Break on Rise	Common Return	Standard (0.7A, 10W, 18Va)	1 m
	Type B – Make on Rise			
Double	Type C – Break on Rise x2	Common Return	Standard (0.7A, 10W, 18Va)	1 m
	Type D – Make on Rise x2			
	Type E – Break on Rise / Make on Rise			

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Technical Certification

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

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



Export Documentation

- Certificate of Origin
- EUR1
- ATR



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