

Process Gauges

SOLFRUNT® 4-1/2" - Copper-Alloy Wetted Material

MODEL 1980

USG Location: Largo, FL

Description:

CASE and RING: Black SOLFRUNT PET (Polyethylene Terephthalate) Turret style case with glass-filled polypropylene threaded ring and pressure relieved back.

WINDOW: High temperature acrylic, shatter-resistant glass optional¹

POINTER: Black anodized aluminum, micro-adjustable

DIAL: Aluminum with white background and black marking, including material identifications for Bourdon Tube and Connection. Standard dial is single scale in PSI.

MOVEMENT: Geared movement with components of corrosion-resistant 300 Series stainless steel.

BOURDON TUBE: Phosphor Bronze

CONNECTION: Brass, 1/2-14 ANPT standard (1/4-18 ANPT optional) Low Mount

ACCURACY: ±0.5% of span (Grade 2A)²

LIQUID FILLING: The standard gauge is dry. Model 1980 is available with EZ-Fill configuration and factory-filled options. Total volume of liquid fill is approximately 1-1/2 pints. Standard fill fluid is Glycerin, with Silicone, Mineral Oil, and other fluids optional.



Figure 1: Model 1980EZ

Standard Model	List Price
4-1/2" Dry Case, 1/2" ANPT LM Connection with PSI scale	\$ 101.90

Options:	List Adder
EZ-Fill Case and backplate with bladder	\$ 13.20
Flush Mount Ring (USG Spec 047631)	\$ 99.65
1/4" ANPT Connection	\$ 0.00
Metric Dial (KPA, BAR, KG/CM ²)	\$ 0.00
Dual Scale Dial	\$ 0.00
Custom Dial (\$100 set-up charge) ³	\$ 0.00
Shatter-Resistant Window	\$ 8.25
Factory Glycerin Fill (including fill kit)	\$ 34.50
Factory Silicone Fill (including fill kit)	\$ 39.40
Factory Mineral Oil Fill (including fill kit)	\$ 39.40
Factory Halocarbon 6.2 Fill	\$ 671.60
Oxygen Service	\$ 45.00
Service Identification Tag	\$ 15.50
Screw Check (Restrictor or Snubber)	\$ 6.50
NIST Certification	\$ 160.00

¹ USG does not offer standard glass window with SOLFRUNT gauges as an option due to safety concerns.

² Pressure ranges 10,000 PSI and above have ±0.5% ascending and ±1.0% descending pressures accuracies.

³ Minimum order size of 10 units for custom dials. Set-up charge one time only.

Master Gauge Co.



WHEN UNDER PRESSURE THINK OF US!

1150 W. GRAND AVE. CHICAGO, IL 60642 - TOLL-FREE: 1-800-259-2705 - PHONE: 1-312-666-2705 - FAX: 1-312-666-6458 - MASTERGAUGE.CO.COM

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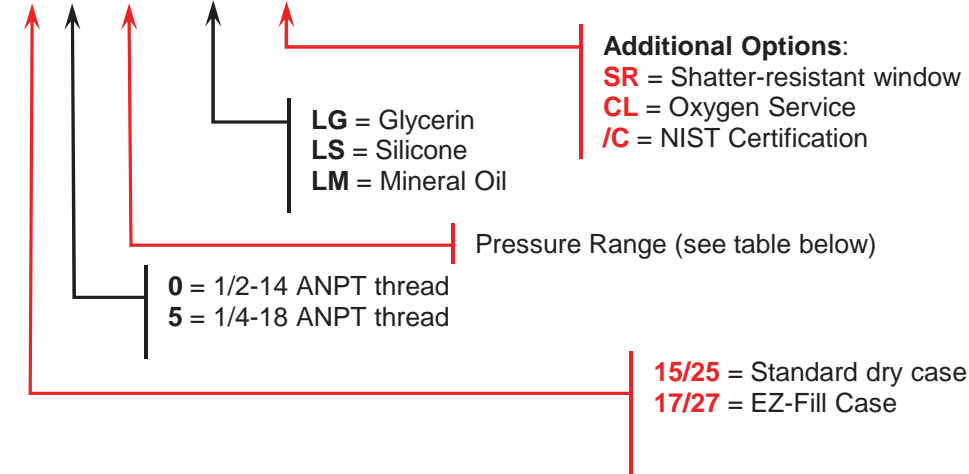
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MODEL 1980

Sample USG Spec:
(Applicable to PSI only gauges)

150009 LG SR



Note: This table is not intended to be all inclusive of all possible configurations

Model:		1980					
Connection Size:	1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT	
Movement Type:	Standard	Standard	Standard	Standard	Standard	Standard	
Dial Scale:	PSI	PSI	PSI	PSI	PSI	PSI	
Window⁴:	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	
Case Type:	Dry	Dry	EZ-Fill	EZ-Fill	EZ-Fill	EZ-Fill	
Fill Fluid Type⁵:	N/A	N/A	N/A	N/A	See Note	See Note	
Pressure Range:	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	
VAC 0 - 30" Hg	150000	155000	170000	175000	170000LX	175000LX	
30" - 0 - 15 PSI	150001	155001	170001	175001	170001LX	175001LX	
30" - 0 - 30 PSI	150002	155002	170002	175002	170002LX	175002LX	
30" - 0 - 60 PSI	150003	155003	170003	175003	170003LX	175003LX	
30" - 0 - 100 PSI	150004	155004	170004	175004	170004LX	175004LX	
30" - 0 - 150 PSI	150005	155005	170005	175005	170005LX	175005LX	
30" - 0 - 200 PSI	-	-	-	-	-	-	
30" - 0 - 300 PSI	250235	255235	270235	275235	270235LX	275235LX	
30" - 0 - 400 PSI	250456	255456	270456	275456	270456LX	275456LX	
0 - 15 PSI	150006	155006	170006	175006	170006LX	175006LX	
0 - 30 PSI	150007	155007	170007	175007	170007LX	175007LX	
0 - 60 PSI	150008	155008	170008	175008	170008LX	175008LX	
0 - 100 PSI	150009	155009	170009	175009	170009LX	175009LX	
0 - 160 PSI	150010	155010	170010	175010	170010LX	175010LX	
0 - 200 PSI	150011	155011	170011	175011	170011LX	175011LX	
0 - 300 PSI	150012	155012	170012	175012	170012LX	175012LX	
0 - 400 PSI	150013	155013	170013	175013	170013LX	175013LX	
0 - 600 PSI	150014	155014	170014	175014	170014LX	175014LX	
0 - 1,000 PSI	150015	155015	170015	175015	170015LX	175015LX	

⁴ For Shatter-Resistant Glass (or any other additional options) add code(s) to the suffix of the Spec No.

⁵ For factory liquid filling, substitute LG for Glycerin and LS for Silicone for LX suffix. Contact USG Sales for other case fill options.

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USG Location: Largo, FL

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MODEL 1980

Note: This table is not intended to be all inclusive of all possible configurations. Contact USG Sales for pressure ranges not listed or for single scale metric ranges.

Model:		1980					
Connection Size:	1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT	
Movement Type:	Standard	Standard	Standard	Standard	Standard	Standard	
Window:	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	
Dial Scale ⁴ :	PSI & KPA	PSI & KPA	PSI & BAR	PSI & BAR	PSI & KG	PSI & KG	
Case Type ⁶ :	Dry	EZ-Fill	Dry	Dry	Dry	Dry	
Fill Fluid Type ⁵ :	N/A	N/A	N/A	N/A	N/A	N/A	
Pressure Range:	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	
VAC 0 - 30" Hg							
30" - 0 - 15 PSI	250028	275028					
30" - 0 - 30 PSI	250282						
30" - 0 - 60 PSI			250422	255422			
30" - 0 - 100 PSI	250292		250438	255438			
30" - 0 - 150 PSI					150867	155867	
30" - 0 - 200 PSI	250433	270433	250439	255439			
30" - 0 - 300 PSI	250434	275434					
30" - 0 - 400 PSI							
0 - 15 PSI	250283	275283	150904	155904	250443	255443	
0 - 30 PSI							
0 - 60 PSI	150603	175603	150906	155906			
0 - 100 PSI	150604	175604		255447	150868	155868	
0 - 160 PSI	150749	175749	250432	255432			
0 - 200 PSI	250284	275284	250436	255436			
0 - 300 PSI	250285	275285	150913	155913			
0 - 400 PSI			250178	255178			
0 - 600 PSI	250287	275287	250435	255435			
0 - 1,000 PSI			250531				

⁴ For Shatter-Resistant Glass (or any other additional options) add code(s) to the suffix of the Spec No.

⁵ For Factory Fill add LG for Glycerin or LS for Silicone to suffix of EZ-Fill configuration (see Note 6) as well as codes for other options.

⁶ For EZ-Fill Case option, change the second digit to "7".

Model:		1980	
Connection Size:	1/4" ANPT	Spec No.	
Movement Type:	Standard	Spec No.	
Window:	Acrylic	Spec No.	
Dial Scale:	FT H ₂ O	Spec No.	
Case Type:	Dry	Spec No.	
Fill Fluid Type:	N/A	Spec No.	
Pressure Range:	Spec No.	Spec No.	
0 - 35 FT H ₂ O	255551		

Notes:

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