

S122/C122

2 Inch Stainless Steel Indicating Pressure Gauges

The Brooks Instrument Models S122/C122 Series 2 inch stainless steel gauges were designed and developed for the demanding high-purity applications of the semiconductor industry. With an accuracy of 1% of full scale, the 2 inch gauges offer a reliable and efficient way to monitor pressure locally. This durable measuring device comes in a variety of process connections, pressure ranges, and socket orientations.



Features

Robust mechanical linkage assembly

Wide pressure range offering

316L SS gauges welded in oxygen-free chambers

Benefits

Accurate, precise, and repeatable performance

Supports variety of application needs

Meets rigid cleanliness and safety standards

Product Specifications

	S122	C122
Product Specifications		
Socket Orientation	Stem Mounted	Center Back Mounted
Pressure Ranges	Vacuum to 4,000 PSI (276 bar). Metric also available (See Ranges Tables)	
Accuracy	1% of full scale	
Helium Leak Check	4 x 10 ⁻⁹ inboard std. cc/sec	
Proof Pressure	110%	
Burst Pressure	400%	
Operating (Ambient)	0° to 160°F (-18° to 71°C)	
Compensating	20° to 135°F (-7° to 57°C)	
Storage	-20° to 135°F (-29° to 79°C)	
Cleaning	Cleaned for oxygen service to ANSI B40.1 level IV specifications	
Finish	32 Ra standard	
Safety Relief	Unrestricted rear blow-out plug	
Connections	Face-seal male, face-seal swivel male, face-seal swivel female and 1/4" NPT male	
Dial	White with black marking; "Use No Oil" is red	
Approximate Shipping Weight	0.5 lbs (0.23 kg)	

Materials of Construction

Case	300 Series Stainless Steel, electropolished
Bezel and Lens	One-piece polycarbonat, screw-on
Socket	316L Stainless Steel
Movement	300 Series Stainless Steel
Bourdon Tube	316L Stainless Steel

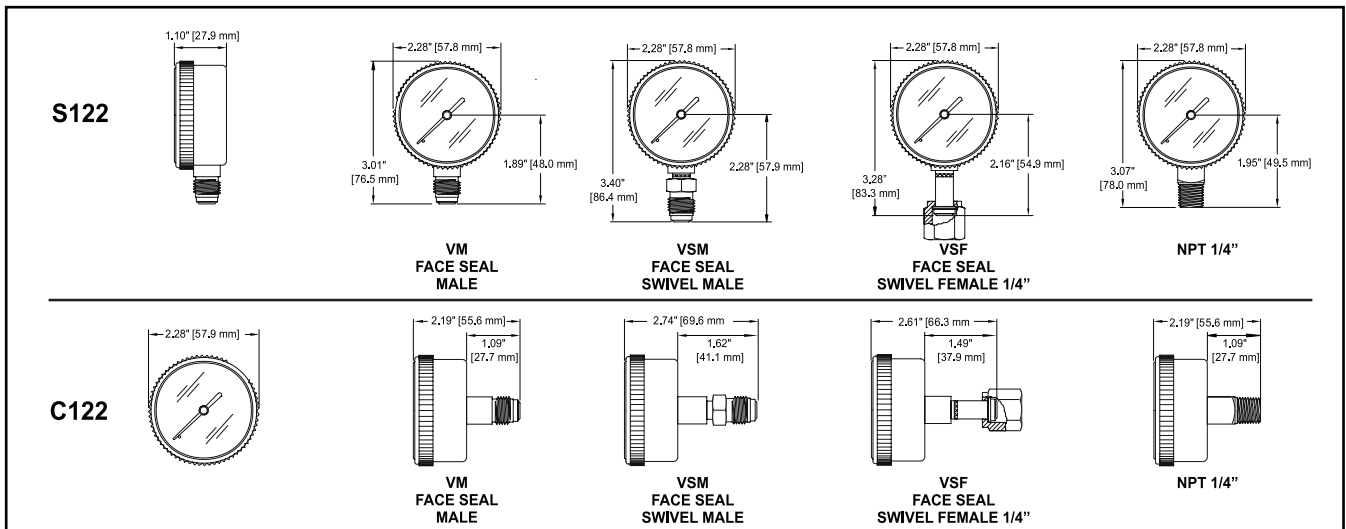
Range Tables

Range	Figure Intervals*	Smallest Interval*
30-0-30	10 in Hg-5 psi	2 in Hg-1 psi
30-0-60	30 in Hg-10 psi	5 in Hg-2 psi
30-0-100	30 in Hg-20 psi	5 in Hg-2 psi
30-0-160	10 in Hg-25 psi	10 in Hg-5 psi
30-0-200	30 in Hg-40 psi	10 in Hg-5 psi
0-1000	200	20
0-3000	500	100
0-4000	1000	100
0-60	10	2
0-100	20	2
0-160	40	5
0-200	40	5

* All figure intervals and smallest interval depicted in this chart represent typical artwork layout and may not be accurate for all gauges.

Note: All ranges are in Hg and/or psi. If a scale other than Hg or psi is required, convert the pressure range code to the customer-specified units and use that in the product description code when specifying the product. For dual range specify the range code for the first engineering unit (ex. For a dual range with units of KGC/IKPA the range should be specified in KGC).

Product Dimensions



Model Code

Code Description	Code Option	Option Description
I. Socket Orientation	S	Stem Mounted
	C	Center Back Mounted
II. Model/Series	122	2" Stainless Steel Gauge
III. Pressure Range		See options in Range Tables
IV. Units	PSI	Pounds per Square Inch
	PSI/Bar	Pounds per Square Inch and Bar
	MPa	Megapascal
	Bar	Bar
	PSI/KGC	Pounds per Square Inch and Kilograms per Square Centimeter
V. Connection	VSM	Face seal swivel male
	VSF	Face seal swivel female
	NPT	1/4" NPT male

Sample Model Code

I	II	III	IV	V
S	122	---	PSI	VSM

Brooks is committed to assuring all of our customers receive the ideal flow solution for their application, along with outstanding service and support to back it up. We operate first class repair facilities located around the world to provide rapid response and support. Each location utilizes primary standard calibration equipment to ensure accuracy and reliability for repairs and recalibration and is certified by our local Weights and Measures Authorities and traceable to the relevant International Standards.

Visit www.BrooksInstrument.com to locate the service location nearest to you.

START-UP SERVICE AND IN-SITU CALIBRATION

Brooks Instrument can provide start-up service prior to operation when required. For some process applications, where ISO-9001 Quality Certification is important, it is mandatory to verify and/or (re)calibrate the products periodically. In many cases this service can be provided under in-situ conditions, and the results will be traceable to the relevant international quality standards.

CUSTOMER SEMINARS AND TRAINING

Brooks Instrument can provide customer seminars and dedicated training to engineers, end users, and maintenance persons. Please contact your nearest sales representative for more details. Due to Brooks Instrument's commitment to continuous improvement of our products, all specifications are subject to change without notice.

TRADEMARKS

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Beyond Measure