

ORDERING CODE	Example:	451279	S	SH	04	L	XLL	15#
Dial Size/Model Code								
451279 - 4½" phenolic case, solid front		451279						
451377 - 4½" aluminum case, solid front								
451379 - 4½" aluminum case, solid front								
601377 - 6" aluminum case, solid front								
601379 - 6" aluminum case, solid front								
602462 - 6" polypropylene case, solid front								
851377 - 8½" aluminum case, solid front								
851379 - 8½" aluminum case, solid front								
System (tube and process connection)								
A - Bronze tube, brass process connection, max. pressure connection 1,000 psi								
P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi								
R - 316L SS tube, steel process connection, max. pressure 30,000 psi								
S - 316 SS tube, 316L SS process connection, max. pressure 30,000 psi			S					
WW - Inconel® 718 tube, Inconel® 718 process connection Only available on 601379 (50,000 to 100,00 psi ranges)								
Case Design								
S - Solid front case, dry								
SH - Solid front case, dry, sealed, hermetically sealed, (451279/451379/601379 only)				SH				
SL - Solid front case, liquid filled (glycerin std.) (451279/451379/601379 only)								
Process Connection Sizes								
02 - ¼ NPT Male, N/A for ranges over 20,000 psi					04			
04 - ½ NPT Male, N/A for ranges over 20,000 psi								
09 - ⅝" 18 UNF-2B, Aminco® high pressure fitting, standard for pressures over 20,000 psi								
Process Connection Location								
L - Lower						L		
B - Back								
D - Side (3 o'clock)								
E - Side connection (9 o'clock)								
T - Top connection								
Options (if choosing an option(s) must include an "X")								
LL - PLUS! Performance							X__	LL
GV - Silicone case fill (451279/451379/601379 only)								
GX - Halocarbon® case fill (451279/451379/601379 only)								
TS - Throttle screw (standard with liquid filled, hermetically sealed or PLUS! Performance)								
6B - Cleaned for oxygen service								
PD - Acrylic window (standard with liquid filled or hermetically sealed cases)								
SG - Safety glass								
NG - Non-glare glass (4½" and 6" cases only, N/A with liquid fill or hermetically sealed cases)								
EP - Maximum pointer, (adjustable, N/A with liquid filled or hermetically sealed cases)								
SH - Red set hand, stationary								
NH - SS tag wired to case								
56 - Flush mounting ring (451279/451379/601379 only)								
BF - Surface mounting bracket (851377/851379/602462 only)								
BQ - Flush mounting bracket (602462 only)								
DA - Dial marking (text marking on the dial)								
AB - Gauges calibrated to compensate for absolute pressure								
OS - Overload stop								
VS - Underload stop								
HY - Hydrostatic/pneumatic testing (system pressurized to 150% of rated system pressure for 5 minutes. Overload stop standard.)								
C4 - Individual calibration chart (in accordance with ASME B40.100:2013. Accuracy traceable to NIST)								
Range (coding examples only, see range table on page 16 for all standard ranges)								
Single Scales								
15# - 15 psi								15#
1BR - 1 bar								
1KSC - 1 kg/cm²								
100KP - 100 kilopascal								
Dual Scales								
15#/BR - 15 psi inner scale, 1 bar outer scale								
1BR/# - 1 bar inner scale, 15 psi outer scale								

4½", 6" - 1009 Pressure Gauge

FEATURES

- **PLUS!**[™] Performance (optional) dampens vibration, shock and pulsation effects
- Dry and liquid filled versions



SPECIFICATIONS

Accuracy:	±1% of span (ASME B40.100 Grade 1A)
Process Connection Location:	Lower or lower back
Ranges:	A - Bronze: Vacuum, compound to 1,000 psi S - SS: Vacuum, compound to 20,000 psi P - Monel [®] : Vacuum, compound to 30,000 psi
Window Material:	Glass
Pointer:	Micrometer, adjustable
Weather Protection:	Dry Case: IP54 Liquid filled or hermetically sealed case: IP 65
Mounting Option:	U-clamp, front flange and back flange
Dampening:	PLUS! [™] Performance and liquid fill

WETTED COMPONENTS

Model	Bourdon Tube	Process Connection Material
1009A	Bronze	Brass
1009S	316L SS	316L SS
1009P	Monel [®]	Monel [®]

NON-WETTED COMPONENTS

Model	Case	Ring
1009	304 SS	304 SS, bayonet

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-20°F to 200°F (-29°C to 93°C)	-20°F to 250°F (-29°C to 121°C)	-40°F to 250°F (-40°C to 121°C)
PLUS! [™]	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)
Glycerin Fill	20°F to 150°F (-7°C to 66°C)	20°F to 150°F (-7°C to 66°C)	0°F to 150°F (-18°C to 66°C)
Silicone Fill	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)
Halocarbon [®] Fill	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)



1009
4½" dial size



1009
6" dial size



ORDERING CODE:	Example:	45	1009	A	L	02	L	XC4	100#
Dial Size									
45 - 4½" SS gauge		45							
60 - 6" SS gauge									
Model Code									
1009 - 304 SS case, open front			1009						
System									
A - Phosphor bronze tube/brass process connection, (1,000 psi max.)				A					
S - 316L SS tube/316L SS process connection, (20,000 psi max.)									
P - K-Monel [®] 500 tube, Monel [®] 400 process connection, (30,000 psi max.)									
Case Fill									
Blank - dry gauge									
L - Liquid filled case (glycerin standard)					L				
Process Connection Size									
02 - ¼ NPT Male, max pressure 20,000 psi						02			
04 - ½ NPT Male, max pressure 20,000 psi									
09 - ⅝"-18 UNF-2B Aminco [®] high pressure fitting, (standard for pressures over 20,000 psi)									
Process Connection Location									
L - Lower							L		
B - Lower back									
Options (if choosing an option(s) must include an "X")									
C4 - Individual calibration chart (in accordance with ASME B 40.100 Accuracy of unit traceable to NIST)								X	C4
LL - PLUS! [™] Performance									
GV - Silicone case fill									
GX - Halocarbon [®] case fill									
LJ - Hermetically sealed									
TS - Throttle screw (standard with hermetically sealed or liquid filled gauge)									
6B - Cleaned for oxygen service (SW system only)									
PD - Plastic window (standard with hermetically sealed or liquid filled gauge)									
SG - Safety glass									
EP - Maximum pointer, adjustable (not available with liquid fill)									
EO - Adjustable red set hand, (N/A with liquid fill)									
SH - Red set hand, stationary									
NH - SS tag wired to case									
FF - Front flange									
BF - Back flange									
UC - U-clamp									
SM - All SS movement									
Range (see range table on page 34 for all standard ranges)									
100# - 100 psi									100#

Standard Pressure Ranges

Single Scale Models: 1008S, 1009, 1010, 1017, 1020 & 2008						Notes
	psi	bar	kPa	MPa	kg/cm ²	
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG	
	-	N1/0.6BR	N100/60KP	N0.1/0.06MP	N1/0.6KG	
Compound	30IMV&15#	-	-	-	-	
	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG	
	30IMV&30#	-	-	-	-	
	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG	
	30IMV&60#	-	-	-	-	
	-	N1/5BR	N100/500KP	N0.1/0.5MP	N1/5KG	
	-	-	-	-	-	
	30IMV&100#	-	-	-	-	
	-	N1/9BR	N100/900KP	N0.1/9MP	N1/9KG	
	15#	1BR	100KP	0.1MP	1KG	
-	1.6BR	160KP	0.16MP	1.6KG		
30#	-	-	-	-		
-	2.5BR	250KP	0.25MP	2.5KG		
60#	4BR	400KP	0.4MP	4KG		
-	6BR	600KP	0.6MP	6KG		
100#	-	-	-	-		
-	10BR	1000KP	1MP	10KG		
160#	-	-	-	-		
200#	-	-	-	-		
-	16BR	1600KP	1.6MP	16KG		
300#	-	-	-	-		
-	25BR	2500KP	2.5MP	25KG		
400#	-	-	-	-		
600#	40BR	4000KP	4MP	40KG		
800#	-	-	-	-		
-	60BR	6000KP	6MP	60KG		
1000#	-	-	-	-		
1500#	100BR	10000KP	10MP	100KG		
2000#	-	-	-	-		
-	160BR	16000KP	16MP	160KG		
3000#	-	-	-	-		
-	250BR	25000KP	25MP	250KG		
4000#	-	-	-	-		
5000#	-	-	-	-		
6000#	400BR	40000KP	40MP	400KG		
-	600BR	60000KP	60MP	600KG		
8000#	-	-	-	-		
10000#	-	-	-	-		
15000#	1000BR	100000KP	100MP	1,000KG		
20000#					4½", 6" 1009, 1010, 1017 SS systems only	
30000#					4½", 6" 1009, 1010, 1017 Monel [®] systems only	