

FEATURES

- Solid front design with full blowout back
- Epoxy coated system offers superior corrosion resistance
- **PLUS!**[™] Performance (optional) dampens vibration shock and pulsation effects; provides liquid filled performance in a dry gauge



SPECIFICATIONS

Accuracy:	±0.5% of span (ASME B40.100 Grade 2A)
Process Connection:	¼ NPT, ½ NPT ¼ High pressure tubing
Case Style:	Solid front with pressure relief back
Movement:	Adjustable
Window Material	Glass (STD.), safety glass or acrylic (OPT.)
Pointer:	Aluminum
Weather Protection:	IP54 (STD.), IP65 hermetically sealed (OPT.)
Mounting:	Stem
Dampening:	PLUS! [™] Performance, throttle screw, dampeners, capillary, diaphragm seals and snubbers

WETTED COMPONENTS

Model	Bourdon Tube	Process Connection Materials	Joints
1109	316L SS, Inconel [®] for ranges greater than 40,000 psi	316 SS	Welded

NON-WETTED COMPONENTS

Model	Case	Ring	Back Cover
1109	300 SS	300 SS	300 SS

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)



1109
4½" dial size

ORDERING CODE	Example:	451109	SD	04	L	XLL	15#
Dial Size/Model Code							
451109 - 4½" 300 SS, solid front		451109					
System (tube and process connection)							
SD - 316 SS tube, (Vac-30,000 psi)			SD				
WD - Inconel® 700 tube, 316 SS process connection (40,000-100,000 psi)							
Process Connection Sizes							
02 - ¼ NPT Male, (up to 20,000 psi)							
04 - ½ NPT Male, (up to 30,000 psi)				04			
09 - ¾" high pressure tubing connection, (40,000-100,000 psi)							
Process Connection Location							
L - Lower connection only					L		
Options (if choosing an option(s) must include an "X")							
LL - PLUS! Performance						X__	
TS - Throttle screw							LL
YW - 316 SS case							
6B - Cleaned for oxygen service							
PD - Acrylic window							
SG - Safety glass							
FW - Back flange (welded to case)							
C4 - Individual calibration chart (in accordance with ASME B40.100:2013. Accuracy traceable to NIST)							
Range (coding examples only, see range table on page 17 for all standard ranges)							
Single Scales							
15# - 15 psi							15#
1KSC - 1 kg/cm²							
100KP - 100 kilopascal							