

1259, 1290 Process Pressure Gauge

FEATURES: 1259, 1290

- Accuracy complies with ASME B40.100 Grade 2A ($\pm 0.5\%$ of span)
- Solid front safety case with pressure relief back
- 4½" dial size

1290 Direct Drive Gauge

- Gearless movement
- Ideal for shock and vibration applications
- Low volumetric displacement makes it compatible with mini-diaphragm seal



SPECIFICATIONS

Accuracy:	$\pm 0.5\%$ of span (ASME B40.100 Grade 2A)
Process Connection:	¼ NPT, ½ NPT
Case Style:	Solid front with pressure relief back
Movement:	Adjustable
Window Material	1259: Glass (STD.), safety glass or acrylic (OPT.) 1290: Acrylic (STD.), regular glass (OPT.)
Pointer:	Aluminum
Weather Protection:	Dry case: Case is not sealed, recommended for weather protected environment only Liquid fill and weatherproof: IP65 (1259 only)
Mounting:	Stem or surface
Dampening:	1259: Liquid fill, throttle screw and 1106: pulsation dampener

WETTED COMPONENTS

Model	Bourdon Tube	Process Connection Materials	Joints
1259	316L SS tube and process connection	316L SS	Welded
	K-Monel® 500 tube and Monel® 400 process connection		
1290	Inconel® X-750, 304 SS capillary	316L SS	Welded

NON-WETTED COMPONENTS

Model	Case	Ring	Back Cover
1259	PBT	PBT	PBT
1290	ABS Thermoplastic	302 SS	Polypropylene

MIN/MAX TEMPERATURE LIMITS (1259 only)

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)
Glycerin Fill	20°F to 150°F (7°C to 66°C)	20°F to 200°F (7°C to 93°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)



1259
4½" dial size



1290
4½" dial size



ORDERING CODE	Example:	451259	S	D	02	L	XC4	15#
Dial Size/Model Code								
451259 - 4½" PBT case, solid front		451259						
451290 - 4½" ABS thermoplastic case, solid front. Direct drive								
System (tube and process connection)								
S - 316L SS tube and process connection, (451259 only)			S					
P - K-Monel [®] 500 tube, Monel [®] 400 process connection, (451259 only)								
WD - Inconel [®] direct drive coil X750, SS process connection, (451290 only)								
Case Design - Leave blank for 451290								
D - Dry				D				
L - Glycerin liquid filled (IP65), (451259 only)								
Process Connection Sizes								
02 - ¼ NPT Male					02			
04 - ½ NPT Male								
Process Connection Location								
L - Lower						L		
Options (if choosing an option(s) must include an "X")								
GV - Silicone filled case (451259 only)							X__	
C4 - Individual calibration chart in accordance with ASME B40.100:2013. Accuracy traceable to NIST								C4
6B - Cleaned for oxygen service								
NH - SS tag wired to case								
SG - Safety glass (451259 only)								
RG - Regular glass (451290 only)								
LJ - Hermetically sealed (451259 only)								
GX - Halocarbon [®] case fill (451259 only)								
Range (coding examples only, see range table on page 16 for all standard ranges)								
Single Scales								
15# - 15 psi (1259 only)								15 #
1BR - 1 bar (1259 only)								
1KSC - 1 kg/cm ² (1259 only)								
100KP - 100 kilopascal (1259 only)								
Dual Scales								
2KSC/# - 2 bar inner scale, 30 psi outer scale								

Standard Pressure Ranges

1279, 1377, 1379, 2462					
	psi	bar	kPa	MPa	kg/cm ²
Vacuum	30IMV	N1BR	N100KP	N1MP	N1KG
	-	N1/.6BR	N100/60KP	.1/.06MP	N1/.6KG
Compound	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N.1/.15MP	N1/1.5KG
	V/30#	-	-	-	-
	-	N1/3BR	N100/300KP	N.1/.3MP	N1/3KG
	V/60#	-	-	-	-
	-	N1/5BR	N100/500KP	N.1/.5MP	N1/5KG
	V/100#	-	-	-	-
	-	N1/9BR	N100/900KP	N.1/.9MP	N1/9KG
	15#	1BR	100KP	.1MP	1KG
	20#	-	-	-	-
Positive Pressure	-	1.6BR	160KP	.16MP	1.6KG
	30#	-	-	-	-
	-	2.5BR	250KP	.25MP	2.5KG
	60#	4BR	400KP	.4MP	4KG
	-	6BR	600KP	.6MP	6KG
	100#	-	-	-	-
	120#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
	-	25BR	2500KP	2.5MP	25KG
	400#	-	-	-	-
	500#	-	-	-	-
	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
	8000#	-	-	-	-
	-	600BR	60000KP	60MP	600KG
	10000#	-	-	-	-
15000#	1000BR	100000KP	100MP	1000KG	
20000#	-	-	-	-	
-	1600BR	-	160MP	1600KG	
30000#	-	-	-	-	
-	2500BR	-	250MP	2500KG	
50000#	-	-	-	-	
-	4000BR	-	400MP	4000KG	
80000#	-	-	-	-	
-	6000BR	-	600MP	6000KG	
1379WW Only	100000#	-	-	-	-

1259					
	psi	bar	kPa	MPa	kg/cm ²
Vacuum	30IMV	N1BR	N100KP	N1MP	N1KG
	-	N1/.6BR	N100/60KP	.1/.06MP	N1/.6KG
Compound	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N.1/.15MP	N1/1.5KG
	V/30#	-	-	-	-
	-	N1/3BR	N100/300KP	N.1/.3MP	N1/3KG
	V/60#	-	-	-	-
	-	N1/5BR	N100/500KP	N.1/.5MP	N1/5KG
	V/100#	-	-	-	-
	-	N1/9BR	N100/900KP	N.1/.9MP	N1/9KG
	15#	1BR	100KP	.1MP	1KG
	20#	-	-	-	-
Positive Pressure	-	1.6BR	160KP	.16MP	1.6KG
	30#	-	-	-	-
	-	2.5BR	250KP	.25MP	2.5KG
	60#	4BR	400KP	.4MP	4KG
	-	6BR	600KP	.6MP	6KG
	100#	-	-	-	-
	120#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
	-	25BR	2500KP	2.5MP	25KG
	400#	-	-	-	-
	500#	-	-	-	-
	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
	8000#	-	-	-	-
	-	600BR	60000KP	60MP	600KG
	10000#	-	-	-	-
15000#	1000BR	100000KP	100MP	1,000KG	
20000#	-	-	-	-	