

1125/1125A Differential Pressure Gauge

Features

- Rugged design
- 1125A has 12 o'clock pointer position
- Electrical contacts (Optional)
- Available with diaphragm seals

Typical Uses

- Refineries
- Chemical and petrochemical plants
- Water and wastewater pressure control
- Mining and metals
- Filtration monitoring, level and flow measurement

Specifications

Accuracy:	±2-1-2% of span (ASME B40.100 Grade 1A)
Sizes:	4½" or 6"
Ranges:	10 to 1,000 psi
Process Connection:	¼ NPT
Process Connection Location:	Lower or back
Case Style:	Open front
Window Material:	Glass
Dial:	White painted aluminum with black markings
Pointer:	Black
Weather Protection:	Case is not sealed and recommended for weather protected environment only
Movement:	Bronze
Mounting Options:	Stem or surface

Wetted Components

Bourdon Tube	Process Connection	Joints
Grade A phosphor bronze	Bronze	Soldered

Non-Wetted Components

Case	Ring	Back Cover
Cast aluminum, black epoxy coated	Aluminum, black epoxy coated	Aluminum



Key Benefits

- Built in back flange for surface or wall mounting
- Zero center dial to indicate positive or negative pressure
- Compatible with diaphragm seals

Min/Max Temperature Limit

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)

Contact Us

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Ordering Code	Example:	45	1125A	02	L	XC4	30/30#
Dial Size							
45 - 4½"		45					
60 - 6"							
Models							
1125 - Aluminum, open front case							
1125A - Aluminum, open front case - zero center dial			1125A				
Process Connection Size							
02 - ¼ NPT Male				02			
04 - ½ NPT Male (utilizing adapters)							
Process Connection Location							
L - Lower					L		
B - Lower back							
Options (if choosing an option(s) must include a "X")						X__	
Windows/Pointers							
EO - Red set hand, adjustable (N/A with safety glass or electrical contacts)							
EP - Maximum pointer (N/A with safety glass or electrical contacts)							
EQ - Minimum pointer (N/A with safety glass or electrical contacts)							
PD - Acrylic window							
SG - Safety glass							
SH - Red set hand - stationary (N/A with electrical contacts)							
Movement							
SM - Stainless steel movement							
Mounting							
50 - Flush mounted threaded ring-black finish							
Marking/Tagging							
DA - Dial marking - printed on dial							
NH - Stainless steel tag wired to case							
Electrical Contact							
ED - High and Low- low contact is closed and the high contact is open when the pointer is at its lowest dial reading							
EE - Double High Contact - both contacts are open when the pointer is at its lowest dial reading							
EF - Double Low Contact - both contacts are closed when the pointer is at its lowest dial reading							
EG - "Off" at high and low and "On" in-between - contacts are closed in the center portion of the dial and open at the extremes of the range							
Testing/Certification							
C4 - Traceable calibration certificate						C4	
Range (coding example only, see range tables for all standard ranges)							
30/30# - Bidirectional zero center 30#							30/30#

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1125 (210° dial arc) - Single Scale							
psid	kg/cm ²	bar	kPa	Dual Scale Outer Scale psi	Figure Inter- val	Minor Graduation	Static Pressure Limits
10# (130° dial arc)	-	-	-	-	5	0.1	30 psi
15# (130° dial arc)	-	-	-	-	5	0.1	30 psi
-	-	-	-	-	-	-	-
20#	1.4KG	1.4BR	140KP	20#	5	0.2	30 psi
-	2KG	2BR	200KP	28#	-	-	-
30#	-	-	-	-	5	0.5	60 psi
-	4KG	4BR	400KP	55#	-	-	-
60#	-	-	-	-	10	1	120 psi
100#	7KG	7BR	700KP	100#	10	1	200 psi
160#	11KG	11BR	1100KP	160#	20	2	300 psi
200#	14KG	14BR	1400KP	200#	20	2	300 psi
300#	20KG	20BR	2000KP	300#	50	5	450 psi
400#	28KG	28BR	2800KP	400#	50	5	600 psi
600#	40KG	40BR	4000KP	600#	100	10	900 psi
800#	56KG	56BR	5600KP	800#	100	10	1200 psi
1000#	70KG	70BR	7000KP	1000#	100	10	1500 psi

1125A (210° dial arc) Zero Center Dial - Single Scale							
psid	kg/cm ²	bar	kPa	Dual Scale Outer Scale psi	Figure Interval	Minor Graduation	Static Pressure Limits
10/10#	0.7/0.7KG	0.7/0.7BR	70/70KP	10/10#	2	0.2	30 psi
15/15#	-	-	-	-	5	0.5	60 psi
-	1/1KG	1/1BR	100/100KP	14/14#	-	-	-
-	2/2KG	2/2BR	200/200KP	28/28#	-	-	-
20/20#	-	-	-	-	5	0.5	20 psi
30/30#	-	-	-	-	10	1	120 psi
50/50#	3.5/3.5KG	3.5/3.5BR	350/350KP	50/50#	10	1	200 psi
80/80#	5.5/5.5KG	5.5/5.5BR	550/550KP	80/80#	20	2	300 psi
100/100#	7/7KG	7/7BR	700/700KP	100/100#	20	2	300 psi
150/150#	10/10KG	10/10BR	1000/1000KP	150/150#	50	5	450 psi
200/200#	14/14KG	14/14BR	1400/1400KP	200/200#	50	5	600 psi
300/300#	20/20KG	20/20BR	2000/2000KP	300/300#	100	10	900 psi
400/400#	28/28KG	28/28BR	2800/2800KP	400/400#	100	10	1200 psi
500/500#	35/35KG	35/35BR	3500/3500KP	500/500#	100	10	1500 psi

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Metric Ranges								
	Pressure Range		Dial Graduations		Range	Dial Graduations		Outer Range When Dual Range Specified psi
	kg/cm ²	bar	Figure Interval	Minor Graduation	kPa (kilopascal)	Dial Graduations	Minor Graduation	
Type 1125	0/1.4	0/1.4	0.2	0.02	0/140	20	2	0/20
	0/2	0/2	0.5	0.05	0/200	50	5	0/28
	0/4	0/4	0.5	0.01	0/400	50	5	0/55
	0/7	0/7	0.5	0.1	0/400	50	10	0/100
	0/11	0/11	2	0.2	0/1100	200	20	0/160
	0/14	0/14	2	0.2	0/1400	200	20	0/200
	0/20	0/20	5	0.5	0/2000	250	50	0/300
	0/28	0/28	5	0.5	0/2800	500	50	0/400
	0/40	0/40	5	0.5	0/4000	500	50	0/600
	0/56	0/56	10	1	0/5600	1000	100	0/800
	0/70	0/70	10	1	0/7000	1000	100	0/1000
Type 1125A	0.7/0.7	0.7/0.7	0.2	0.02	70/70	20	2	10/10
	1/1	1/1	0.5	0.05	100/100	50	5	14/14
	2/2	2/2	0.1	0.01	200/200	50	5	28/28
	3.5/3.5	3.5/3.5	0.5	0.1	350/350	50	10	50/50
	5.5/5.5	5.5/5.5	2	0.2	550/550	200	20	80/80
	7/7	7/7	2	0.2	700/700	200	20	100/100
	10/10	10/10	5	0.5	1000/1000	250	50	150/150
	14/14	14/14	5	0.5	1400/1400	500	50	200/200
	20/20	20/20	5	0.5	2000/2000	500	50	300/300
	28/28	28/28	10	1	2800/2800	1000	100	400/400
	35/35	35/35	10	1	3500/3500	1000	100	500/500

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Dimensions in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Dial Size												
Inches	A	B	C	D	E	H	I	J	P	P ₁	L	Wgt
4½	5.88 [149]	3.13 [82]	5.08 [128]	1.23 [26]	5.38 [137]	1.56 [40]	0.63 [16]	0.234 [3]	0.66 [17]	0.59 [15]	0.22 [6]	3.0 lbs 6.6 kg
6	7.81 [198.5]	3.13 [79]	9.59 [167]	1.23 [26]	7 [178]	1.56 [40]	0.59 [15]	0.19 [5]	0.66 [17]	0.59 [15]	0.28 [7]	3.0 lbs 6.6 kg

