

## Data Sheet

# 1125/1125A Differential Pressure Gauge

### FEATURES

- Rugged design
- 1125A has 12 o'clock pointer position
- Electric 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



**1125**  
4½", 6" dial sizes

**1125A**  
4½", 6" dial sizes

### 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 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)

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ORDERING CODE	Example:	45	1125	02	L	XC4	100#
<b>Dial Size</b>							
45 - 4½"		45					
60 - 6"							
<b>Models</b>							
1125 - Aluminum, open front case			1125				
1125A - Aluminum, open front case - zero center dial							
<b>Process Connection Size</b>							
02 - ¼ NPT Male				02			
<b>Process Connection Location</b>							
L - Lower					L		
B - Lower back							
<b>Options (if choosing an option(s) must include a "X")</b>						X__	
<b>Windows/Pointers</b>							
PD - Acrylic window							
SG - Safety glass							
EP - Maximum pointer							
EQ - Minimum pointer							
SH - Red set hand, stationary							
EO - Red set hand, adjustable							
<b>Switch Outputs</b>							
ED - Dual setpoint, high and low contacts (specify magnetic or inductive contacts)							
EE - Dual setpoint, double high contacts (specify magnetic or inductive contacts)							
EF - Dual setpoint, double low contacts (specify magnetic or inductive contacts)							
EG - Dual setpoint, off at low and high and on in-between							
<b>Other</b>							
C4 - Individual calibration chart						C4	
NH - SS tag wired to case							
<b>Range (coding example only, see range tables for all standard ranges)</b>							
100# - 100 psid							100#

## Data Sheet

### 1125/1125A Differential Pressure Gauge

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

1125A (210° dial arc) Zero Center Dial - Single Scale							
psid	kg/cm <sup>2</sup>	bar	kPa	Dual Scale Outer Scale psi	Figure Interval	Minor Graduation	Static Pressure Limits
10/0/10#	0.7/0/0.7KSC	0.7/0.7BR	70/0/70KPa	10/0/10#	2	0.2	30 psi
15/0/15#	-	-	-	-	5	0.5	60 psi
-	1/0/1KSC	1/1BR	100/0/100KPa	14/0/14#	-	-	-
-	2/0/2KSC	2/2BR	200/0/200KPa	28/0/28#	-	-	-
30/0/30#	-	-	-	-	10	1	120 psi
50/0/50#	3.5/0/3.5KSC	3.5/3.5BR	350/0/350KPa	50/0/50#	10	1	200 psi
80/0/80#	5.5/0/5.5KSC	5.5/5.5BR	550/0/550KPa	80/0/80#	20	2	300 psi
100/0/100#	7/0/7KSC	7/7BR	700/0/700KPa	100/0/100#	20	2	300 psi
150/0/150#	10/0/10KSC	10/10BR	1000/0/1000KPa	150/0/150#	50	5	450 psi
200/0/200#	14/0/14KSC	14/14BR	1400/0/1400KPa	200/0/200#	50	5	600 psi
300/0/300#	20/0/20KSC	20/20BR	2000/0/2000KPa	300/0/300#	100	10	900 psi
400/0/400#	28/0/28KSC	28/28BR	2800/0/2800KPa	400/0/400#	100	10	1200 psi
500/0/500#	35/0/35KSC	35/35BR	3500/0/3500KPa	500/0/500#	100	10	1500 psi

**1125/1125A Differential Pressure Gauge**

Metric Ranges								
	Pressure Range		Dial Graduations		Range	Dial Graduations		Outer Range When Dual Range Specified psi
	kg/cm <sup>2</sup>	bar	Figure Interval	Minor Graduation	kPa (kilopascal)	Dial Graduations	Minor Graduation	
<b>Type 1125</b>	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
<b>Type 1125A</b>	0.7/0/0.7	0.7/0/0.7	0.2	0.02	70/0/70	20	2	10/0/10
	1/0/1	1/0/1	0.5	0.05	100/0/100	50	5	14/0/14
	2/0/2	2/0/2	0.1	0.01	200/0/200	50	5	28/0/28
	3.5/0/3.5	3.5/0/3.5	0.5	0.1	350/0/350	50	10	50/0/50
	5.5/0/5.5	5.5/0/5.5	2	0.2	550/0/550	200	20	80/0/80
	7/0/7	7/0/7	2	0.2	700/0/700	200	20	100/0/100
	10/0/10	10/0/10	5	0.5	1000/0/1000	250	50	150/0/150
	14/0/14	14/0/14	5	0.5	1400/0/1400	500	50	200/0/200
	20/0/20	20/0/20	5	0.5	2000/0/2000	500	50	300/0/300
	28/0/28	28/0/28	10	1	2800/0/2800	1000	100	400/0/400
	35/0/35	35/0/35	10	1	3500/0/3500	1000	100	500/0/500

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**DIMENSIONS** in [ ] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Inches	Dial Size											
	A	B	C	D	E	H	I	J	P	P <sub>1</sub>	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

