

**Differential Pressure Gauges
Types 1125, 1125A
ASME B40.100
Grade A ($\pm 2-1-2\%$ of span)**

- Available in 4½" and 6" dial sizes
- Aluminum cases
- Bronze Bourdon tube and socket
- Ranges through 1000 psi
- Micrometer-adjustable pointer
- Available with electric contacts
- Static pressures from 30-1500 psi depending on the range of gauge
- Pointer indicator with zero at seven o'clock (1125) or twelve o'clock position (1125A)
- Built-in back case flange for easy wall mounting

The Ashcroft® differential pressure gauge is an economical way to display the difference of two separate inputs on one dial indicator. The case style is similar to other Ashcroft gauges, making panel gauge consistency possible. This product is supplied with bronze Bourdon tube and socket.



STANDARD RANGES

Type 1125 (210° dial arc)
Pressure (psi)

Range	Figure Interval	Minor Graduation	Static Pressure Limits*
0/20	5	0.2	30
0/30	5	0.5	60
0/60	10	1	120
0/100	10	1	200
0/160	20	2	300
0/200	20	2	300
0/300	50	5	450
0/400	50	5	600
0/600	100	10	900
0/800	100	10	1200
0/1000	100	10	1500

*Maximum pressure that can be admitted into Bourdon tubes.

Type 1125A (210° dial arc) Zero centered dial
Pressure (psi)

Range	Figure Interval	Minor Graduation	Static Pressure Limits*
10/10	2	0.2	30
15/15	5	0.5	60
30/30	10	1	120
50/50	10	1	200
80/80	20	2	300
100/100	20	2	300
150/150	50	5	450
200/200	50	5	600
300/300	100	10	900
400/400	100	10	1200
500/500	100	10	1500

*Maximum pressure that can be admitted into Bourdon tubes.

CASE TYPE

Gauge Type Number	Dial Size (inches)	Case & Ring Material Finish	Bourdon Tube & Tip Material	Socket Material	Pressure Range (psi)	Pointer	Movement	NPT Connection
DIFFERENTIAL 1125 1125A	4½, 6" ⁽¹⁾	Case: Aluminum Ring: Threaded aluminum All black epoxy coated	Phosphor Bronze Tip: Brass (all joints silver brazed)	Bronze	1125: 20/1000 1125A 10/0/10 500/0/500	Micrometer Adjustable	Bronze-bushed Overload & Vacuum Stops-Std.	¼

1125A dial indicates zero at 12:00 (1) 6" lower connect only.

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)	Figure Interval	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	0.05	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
1/1		1/1	0.5	0.05	100/100	50	5	14/14
2/2		2/2	0.5	0.05	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	400/400
28/28		28/28	10	1	2800/2800	1000	100	400/400
35/35		35/35	10	1	3500/3500	1000	100	500/500

TO ORDER THESE 1125, 1125A DIFFERENTIAL GAUGES:

Select: _____ 45 1125 02L XXX 1000#

- Dial size—4½", 6" _____
- Case type—1125, 1125A _____
- Connection size—¼ (02) _____
- Connection location—Lower (L), Back (B) _____
- Optional features _____
- Standard pressure range—1000 psi _____

Consult factory for guidance in product selection
Phone (203) 378-8281 or visit our
web site at www.ashcroft.com

**Differential Pressure Gauges
Types 1127, 1128
ASME B40.100
Grade A ($\pm 2-1-2\%$ of span)**

- 316 stainless steel wetted parts
- Available in 4½" or 6" dial sizes
- Ranges from 10 psi-1000 psi
- Static pressures from 45 psi-1200 psi depending on the range of the gauge
- Pointer indicator with zero at seven (1127) or twelve o'clock position (1128)
- Built-in back case flange for easy wall mounting
- Lower connect only

When the process is corrosive to gauges with bronze/brass wetted parts an alternative was to isolate the gauge from the process with capillary and isolators or diaphragm seals. Now, when the process is compatible with 316 stainless steel, the user can select Types 1127 or 1128 differential pressure gauges with 4½" or 6" dials.



STANDARD RANGES

Type 1127 (270° dial arc)

Pressure Range (psi)	Figure Interval	Minor Graduation	Static Pressure Limits*
0/10	5	0.2	45
0/20	5	0.2	45
0/30	5	0.5	45
0/60	10	1	90
0/100	10	1	130
0/160	20	2	208
0/200	20	2	260
0/300	50	5	390
0/400	50	5	520
0/600	100	10	780
0/800	100	10	1040
0/1000	100	10	1200

*Maximum pressure that can be admitted into Bourdon tubes.

Type 1128 (270° dial arc) Zero centered dial

Pressure Range (psi)	Figure Interval	Minor Graduation	Static Pressure Limits*
10/0/10	2	0.5	45
15/0/15	3	0.2	45
30/0/30	5	1	90
50/0/50	10	1	130
100/0/100	20	2	260
200/0/200	50	5	520
300/0/300	100	10	780
400/0/400	100	10	1040

*Maximum pressure that can be admitted into Bourdon tubes.

METRIC RANGES

Type 1127 (270° dial arc)

PRESSURE RANGE		DIAL GRADUATIONS	
kg/cm ²	bar	Figure Interval	Minor Graduation
0/1	0/1	0.2	0.02
0/2	0/2	0.5	0.05
0/4	0/4	0.5	0.05
0/7	0/7	0.5	0.05
0/11	0/11	2	0.2
0/14	0/14	2	0.2
0/21	0/21	5	0.5
0/28	0/28	5	0.5
0/42	0/42	5	0.5
0/56	0/56	10	1
0/70	0/70	10	1

Type 1128 (210° dial arc) Zero centered dial

PRESSURE RANGE		DIAL GRADUATIONS	
kg/cm ²	bar	Figure Interval	Minor Graduation
1/0/1	1/0/1	0.5	0.05
2/0/2	2/0/2	0.1	0.01
3.5/0/3.5	3.5/0/3.5	0.5	0.1
5.5/0/5.5	5.5/0/5.5	2	0.2
7/0/7	7/0/7	2	0.2
10.5/0/10.5	10.5/0/10.5	5	0.5
14/0/14	14/0/14	5	0.5
21/0/21	21/0/21	5	0.5
28/0/28	28/0/28	10	1
35/0/35	35/0/35	10	1

CASE TYPE – Differential 1127, 1128

Dial Size (inches)	Case & Ring Material Finish	Bourdon Tube & Tip Material	Socket Material
4½, 6	Case: Aluminum Ring: Threaded aluminum All black epoxy coated	316 stainless steel	316 stainless steel
Pressure Range (psi)	Pointer	Movement	NPT Connection
10/1000	Adjustable	Bronze-brushed Overload & Vacuum Stops-Std.	¼ or ½ lower connect only

TO ORDER THESE 1127, 1128 DIFFERENTIAL PRESSURE GAUGES:

Select: _____ 45 1127 SD 02L XXX 100#

1. Dial size—4½", 6" _____
2. Case type—1127, 1128 _____
3. Tube and socket material—(SD) Stainless _____
4. Connection size—¼ (02) _____
5. Connection location—Lower (L) _____
6. Optional features _____
7. Standard pressure range—1000 psi _____

Consult factory for guidance in product selection
Phone (203) 378-8281 or visit our
web site at www.ashcroft.com

- **Piston actuator**
- **Stainless steel case**
- **Ranges from 5 psid-150 psid**
- **Static pressures up to 6000 psi⁽⁵⁾**
- **Aluminum⁽⁴⁾, brass or stainless steel bodies⁽¹⁾**
- **Buna-N O-rings (others available)**
- **Superior magnets for smoother pointer motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1130 uses a piston design where small migration of the process media is permissible.⁽²⁾ It is recommended for high differential and high static pressures, up to 6000 psi. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.⁽³⁾

- (1), (2) Not for use with incompatible media.
- (3) Other wetted parts include stainless steel, Teflon and ceramic.
- (4) Aluminum bodies not to be used with water or corrosive applications.
- (5) Static pressure over 3000 psi in SS only.



SPECIFICATIONS	Type 1130
Accuracy (Ascending)	±2%
Migration	Minor
Range Limits	0-5 psid to 150 psid
Maximum Static Pressure	3000 psi (6000 psi for SS)
Actuator	Piston
Case Material	Stainless Steel
Dial Size	2" (20), 2½" (25), 3½" (35), 4" (40), 4½" (45), 6" (60)
Maximum Process Temperature	175°F / 80°C
Body Materials	Aluminum (F), Brass (A), Stainless Steel (S)
O-Rings	Buna-N
Connection Size (Female)	¼ NPT (25)
Connection Location	In-Line (S), Lower (L), Back (B)
Window	Glass
Warranty	Five Years

OPTIONS	
¼ NPT Female Adapter (XGE)	Available
Switches ^(1,2) NEMA-4	Available
Front Flange (XFF)	Available
Viton Diaphragm/O-Rings (XVD)	Available
EPDM Diaphragm/O-Rings (XEM)	Available
Glycerin Fill (L)*	Standard Fill Option
Silicone Fill (XGV)	Available
Plastic Window (XPD)	Available
Explosion Proof (XEK)	Available ⁽³⁾
Safety Glass (XSG) 3½"-6" only	Available

*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip

(2) Adjustable from 40-100% of range

(3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

TO ORDER THIS 1130 DIFFERENTIAL PRESSURE GAUGES:

Select: _____

1. Dial size—2", 2½", 3½", 4", 4½", 6" _____ 25 1130

2. Case type—1130 _____ F D 25S XXX 30#

3. Body material _____

4. Dry (D) or Liquid Filled (L) _____

5. Connection size—¼ NPTF (25) _____

6. Connection location—In-line (S), Lower (L), Back (B) _____

7. Optional features—see above _____

8. Standard pressure range _____

RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:

SPST SWITCH

Specifications:

- Contact Rating
10 VA ac (rms) or dc (max)
- Switching Current
0.5 Amp ac (rms) or dc (max)
- Switch Voltage
100 Vac/Vdc (max)

SPDT SWITCH

Specifications:

- Contact Rating
3 VA ac (rms) or dc (max)
- Switching Current
.3 Amp ac (rms) or dc (max)
- Switch Voltage
30 Vac/Vdc (max)

EXPLOSION-PROOF SWITCH INFORMATION:

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

STANDARD RANGES – Type 1130

psi		0-5	0-8	0-10	0-15	0-20	0-25	0-30	
kPa	0-25		0-50	0-75	0-100		0-160	0-200	0-250
kg/cm ² -bar	0-0.25		0-0.5	0-0.75	0-1		0-1.6	0-2	0-2.5
psi	0-40	0-50	0-60		0-80		0-100		150
kPa	0-300		0-400	0-500		0-600	0-700	0-900	0-1000
kg/cm ² -bar	0-3		0-4	0-5		0-6	0-7	0-9	0-10

- **Rolling diaphragm actuator**
- **Stainless steel case**
- **Ranges from 5 psid-100 psid**
- **Static pressures up to 3000 psi**
- **Aluminum⁽³⁾, brass or stainless steel bodies⁽¹⁾**
- **Buna-N O-rings (others available)**
- **Superior magnets for smoother power motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1131 is utilized for applications where migration of the process media is not permissible. The Type 1131 uses a rolling diaphragm design to separate the high and low-pressure ports to isolate the media and can see up to 3000 psi static pressures. Rolling diaphragm not designed to see reverse pressure. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.⁽²⁾

- (1) Not for use with incompatible media.
 (2) Other wetted parts include stainless steel, Teflon and ceramic.
 (3) Aluminum bodies not to be used with water or corrosive applications.



SPECIFICATIONS	Type 1131
Accuracy (Ascending)	±2%
Migration	Zero
Range Limits	0-5 psid to 100 psid
Maximum Static Pressure	3000 psi (all)
Actuator	Rolling Diaphragm
Case Material	Stainless Steel
Dial Size	2½" (25), 3½" (35), 4" (40), 4½" (45), 6" (60)
Maximum Process Temperature	175°F / 80°C
Body Materials	Aluminum (F), Brass (A), Stainless Steel (S)
Diaphragm/O-Rings	Buna-N
Connection Size (Female)	¼ NPT (25)
Connection Location	In-Line (S), Lower (L) Back (B)
Window	Glass
Warranty	Five Years

OPTIONS	
¼ NPT Female Adapter (XGE)	Available
Switches ^(1,2) NEMA-4	Available
Front Flange (XFF)	Available
Viton Diaphragm/O-Rings (XVD)	Available
EPDM Diaphragm/O-Rings (XEM)	Available
Glycerin Fill (L)*	Standard Fill Option
Silicone Fill (XGV)	Available
Plastic Window (XPD)	Available
Explosion Proof (XEK)	Available ⁽³⁾
Safety Glass (XSG) 3½"-6" only	Available

*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip

(2) Adjustable from 40-100% of range

(3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

TO ORDER THIS 1131 DIFFERENTIAL PRESSURE GAUGES:

Select: _____ 25 1131 F D 25S XXX 30#

- Dial size—2½", 3½", 4", 4½", 6" _____
- Case type—1131 _____
- Body material _____
- Dry (D) or Liquid Filled (L) _____
- Connection size—¼ NPTF (25) _____
- Connection location—In-line (S), Lower (L), Back (B) _____
- Optional features—see above _____
- Standard pressure range _____

RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:

SPST SWITCH

Specifications:

Contact Rating
10 VA ac (rms) or dc (max)
Switching Current
0.5 Amp ac (rms) or dc (max)
Switch Voltage
100 Vac/Vdc (max)

SPDT SWITCH

Specifications:

Contact Rating
3 VA ac (rms) or dc (max)
Switching Current
.3 Amp ac (rms) or dc (max)
Switch Voltage
30 Vac/Vdc (max)

EXPLOSION-PROOF SWITCH INFORMATION:

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

STANDARD RANGES – Type 1131

psi		0-5	0-7	0-10	0-15	0-25	0-30		0-40	0-60	0-100
kPa	0-25		0-50	0-75	0-100		0-200	0-250		0-400	0-700
kg/cm ² -bar	0-0.25		0-0.5	0-0.75	0-1		0-2	0-2.5		0-4	0-7

- **Small convoluted diaphragm actuator**
- **Stainless steel case**
- **Ranges from 1 psid-60 psid**
- **Static pressures up to 1500 psi**
- **Aluminum⁽³⁾, brass or stainless steel bodies⁽¹⁾**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1132 uses a convoluted-diaphragm design with no migration of the process media. It is recommended for lower differential and high static pressures, up to 1500 psi. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.⁽²⁾

- (1) Not for use with incompatible media.
- (2) Other wetted parts include stainless steel, Teflon and ceramic.
- (3) Aluminum bodies not to be used with water or corrosive applications.



SPECIFICATIONS	Type 1132
Accuracy (Ascending)	±2%
Migration	Zero
Range Limits	0-1 psid to 60 psid
Maximum Static Pressure	1500 psi (all)
Actuator	Convoluted Diaphragm
Case Material	Stainless Steel
Dial Size	2½" (25), 3½" (35), 4" (40), 4½" (45), 6" (60)
Maximum Process Temperature	175°F / 80°C
Body Materials	Aluminum (F), Brass (A), Stainless Steel (S)
Diaphragm/O-Rings	Buna-N
Connection Size (Female)	¼ NPT (25)
Connection Location	In-Line (S), Lower (L) Back (B)
Window	Glass
Warranty	Five Years

OPTIONS	
¼ NPT Female Adapter (XGE)	Available
Switches ^(1,2) NEMA-4	Available
Front Flange (XFF)	Available
Viton Diaphragm/O-Rings (XVD)	Available
EPDM Diaphragm/O-Rings (XEM)	Available
Glycerin Fill (L)*	Standard Fill Option
Silicone Fill (XGV)	Available
Plastic Window (XPD)	Available
Explosion Proof (XEK)	Available ⁽³⁾
Safety Glass (XSG) 3½"-6" only	Available

*Liquid fill has an effect on accuracy that varies with range and temperature. Liquid filling may be required only in some very severe applications.

- (1) Applicable to Switches
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug
 (XV2) 1 SPST with Terminal Strip (XV6) 1 SPDT with Terminal Strip
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug
 (XV4) 2 SPST with Terminal Strip (XV8) 2 SPDT with Terminal Strip

(2) Adjustable from 40-100% of range

(3) Specify lower or back connection for gauge (not available in-line or with 2"-2½" dials) and switch type (terminal strip) XV2, XV4, XV6, XV8.

TO ORDER THIS 1132 DIFFERENTIAL PRESSURE GAUGES:

Select: _____ 25 1132 F D 25S XXX 30#

- Dial size—2½", 3½", 4", 4½", 6" _____
- Case type—1132 _____
- Body material _____
- Dry (D) or Liquid Filled (L) _____
- Connection size—¼ NPTF (25) _____
- Connection location—In-line (S), Lower (L), Back (B) _____
- Optional features—see above _____
- Standard pressure range _____

RATINGS FOR BOTH STANDARD & EXPLOSION PROOF SWITCHES:

SPST SWITCH

Specifications:
 Contact Rating
 10 VA ac (rms) or dc (max)
 Switching Current
 0.5 Amp ac (rms) or dc (max)
 Switch Voltage
 100 Vac/Vdc (max)

SPDT SWITCH

Specifications:
 Contact Rating
 3 VA ac (rms) or dc (max)
 Switching Current
 .3 Amp ac (rms) or dc (max)
 Switch Voltage
 30 Vac/Vdc (max)

EXPLOSION-PROOF SWITCH INFORMATION:

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

STANDARD RANGES – Type 1132

psi	0-1	0-5	0-8	0-15	0-20	0-25	0-30	0-40	0-50	0-60
in. H ₂ O	0-25	0-100	0-200	0-400	0-500					
kPa		0-25	0-50	0-75	0-100	0-160	0-200	0-250	0-300	0-400
kg/cm ² -bar	0-0.075	0-0.25	0-0.5	0-0.75	0-1	0-1.6	0-2	0-2.5	0-3	0-4
mbar	0-75	0-250								

- **Large convoluted diaphragm actuator**
- **Stainless steel case**
- **Ranges from 1 IWD-25 IWD**
- **Static pressures up to 500 psi**
- **Aluminum⁽³⁾, stainless steel bodies⁽¹⁾**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Standard switches available**
- **5-year warranty**
- **NEMA 4 / IP65**

The Type 1133 uses a convoluted-diaphragm to sense low inches of water differentials while ensuring no migration of the process media. Maximum static pressures for ranges of 5 IWD and below is 45 psi and 500 psi for all other ranges. Body materials are available in Aluminum or Stainless Steel with Buna, Viton or EPDM seals.⁽²⁾

- (1) Not for use with incompatible media.
 (2) Other wetted parts include stainless steel, Teflon and ceramic.
 (3) Aluminum bodies not to be used with water or corrosive applications.



SPECIFICATIONS	Type 1133
Accuracy (Ascending)	±2%
Migration	Zero
Range Limits	0-1 IWD to 25 IWD
Maximum Static Pressure	500 psi (all)
Actuator	Convoluted Diaphragm
Case Material	Stainless Steel
Dial Size	3½" (35), 4" (40), 4½" (45), 6" (60)
Maximum Process Temperature	175°F / 80°C
Body Materials	Aluminum (F), Stainless Steel (S)
Diaphragm	Buna-N
Connection Size (Female)	¼ NPT (25)
Connection Location	In-Line (S), Lower (L), Back (B)
Window	Glass
Warranty	Five Years

OPTIONS	
¼ NPT Female Adapter (XGE)	Available
Switches ^(1,2) NEMA-4	Available
Front Flange (XFF)	Available
Viton/Diaphragm (XVD)	Available
EPDM/Diaphragm (XEM)	Available
Glycerin Fill (L)	N/A
Silicone Fill (XGV)	N/A
Plastic Window (XPD)	Available
Explosion Proof (XEK)	N/A
Safety Glass (XSG) 3½"-6" only	Available

- (1) Applicable to Switches
 (XV1) 1 SPST with DIN Plug (XV5) 1 SPDT with DIN Plug
 (XV3) 2 SPST with DIN Plug (XV7) 2 SPDT with DIN Plug

(2) Adjustable from 40-100% of range

RATINGS FOR STANDARD SWITCHES:

SPST SWITCH

Specifications:

Contact Rating
 10 VA ac (rms) or dc (max)
 Switching Current
 0.5 Amp ac (rms) or dc (max)
 Switch Voltage
 100 Vac/Vdc (max)

SPDT SWITCH

Specifications:

Contact Rating
 3 VA ac (rms) or dc (max)
 Switching Current
 .3 Amp ac (rms) or dc (max)
 Switch Voltage
 30 Vac/Vdc (max)

STANDARD RANGES – Type 1133

in. H ₂ O	0-1	0-2	0-5	0-10	0-25
mmH ₂ O	0-25	0-50	0-125	0-250	0-600

TO ORDER THIS 1133 DIFFERENTIAL PRESSURE GAUGES:

Select:

1. Dial size—3½", 4", 4½", 6" _____ 35 1133 FD 25S XXX 10IWD

2. Case type—1133 _____

3. Body material _____

4. Connection size—¼ NPTF (25) _____

5. Connection location—In-line (S), Lower (L), Back (B) _____

6. Optional features—see above _____

7. Standard pressure range _____

Differential Pressure Gauges Type 1134 ±3% Ascending Accuracy

- **Convuluted diaphragm actuator**
- **Stainless steel case**
- **Ranges from 0.6 IWD-60 IWD**
- **Static pressures up to 35 psi**
- **Glass filled nylon body⁽¹⁾**
- **Buna-N seals (others available)**
- **Superior magnets for smoother power motion**
- **Low cost reed switches available**
- **5-year warranty**
- **Flush mounting accessories standard**
- **NEMA 4 / IP65**

The Type 1134 uses a convuluted-diaphragm design with no migration of the process media. It is recommended for low differential inches of water ranges. Body material is glass filled nylon with Buna or silicone.⁽²⁾

(1) Not for use with incompatible media.

(2) Other wetted parts include stainless steel, aluminum, Teflon and ceramic.



SPECIFICATIONS	Type 1134
Dial Size	4½" (114mm)
Accuracy (Ascending)	3%
Range Limits	0-0.6 IWD to 60 IWD
Maximum Static Pressure	35 psi
Case Material	Stainless Steel
Body Material	Glass Filled Nylon
Diaphragm Actuator Material	Buna-N
O-Ring Material	Buna-N
Connection Size (Female)	½ NPT
Connection Location	Dual In-Line and Back (User chooses)
Window	Glass
Max. Process Temperature	140°F/60°C
Warranty	Five Years
OPTIONS	
Switches ⁽¹⁾⁽²⁾ (NEMA-4)	Available
(XPD) Plastic Window	Available
(XBF) Surface Mount	Available
(XTM) Pipe Mounting Bracket	Available
(XEM) EPDM Seals/O-Rings	Available ⁽³⁾

⁽¹⁾ Applicable to switches (NEMA-4)

(XV1) 1 SPST with DIN plug

(XV3) 2 SPST with DIN plug

(XV5) 1 SPDT with DIN plug

⁽²⁾ Adjustable from 40-80% of range

⁽³⁾ Only with ranges up to 4IW

STANDARD RANGES		
Pressure - Single Scale (in. H ₂ O)		
Range*	Minor Grad.	First Grad.
0/0.6	.02	0.10
0/1	.02	.12
0/2	.04	.20
0/3	.10	.30
0/4	.10	.40
0/5	.10	.50
0/6	.20	.60
0/8	.20	.80
0/10	.25	1.0
0/15	.30	1.5
0/20	.50	2.0
0/25	.50	2.5
0/30	.60	3.0
0/40	.80	4.0
0/50	1.0	5.0
0/60	1.0	5.0

*Metric, dual or special ranges on application.

STANDARD ACCESSORIES
Two nylon ⅜" hose barb tube adapters
Flush mounting kit
Two plugs for sealing connections not in use

RATINGS FOR STANDARD SWITCHES
SPST SWITCH SPECIFICATIONS
Contact Rating: 10 VA ac (rms) or dc (max)
Switch Current: 0.5 Amp ac (rms) or dc (max)
Switch Voltage: 100 Vac/Vdc (max)
SPDT SWITCH SPECIFICATIONS
Contact Rating: 3 VA ac (rms) or dc (max)
Switch Current: .3 Amp ac (rms) or dc (max)
Switch Voltage: 30 Vac/Vdc (max)

TO ORDER THIS 1134 DIFFERENTIAL PRESSURE GAUGES:

Select: _____ 45 1134 ED RQM XXX 1 IWD

1. Dial size— 4½" _____

2. Case type—1134 _____

3. Body material (Glass filled Nylon) _____

4. Connection size—½ NPTF (RQ) _____

5. Connection location—Dual In-line and Back (M) _____

6. Optional features—see above _____

7. Standard pressure range _____

Consult factory for guidance in product selection
Phone (203) 378-8281 or visit our
web site at www.ashcroft.com

- ±1.6% full scale accuracy
- Stainless steel case
- Stainless steel wetted parts
- 1450 psi static pressure standard with optional static pressure to 3625 psi
- External zero adjust
- Optional liquid-filled case
- 4" (100mm) or 6" (160mm) dial sizes
- One sided load permitted

- *Optional ATEX approval*
- *Meets NACE with Hastelloy C wetted parts*

The Ashcroft® Type 5503 differential pressure gauge is available with ranges from 16 I.W.D. to 400 psi with optional static pressure to 3625 psi. Optional wetted parts includes Hastelloy C & Monel. Typical applications include use with liquified gas for nitrogen, helium, argon and carbon dioxide.



PRODUCT SPECIFICATIONS

GENERAL DIFFERENTIAL PRESSURE MEASUREMENT SPECIFICATIONS

Accuracy ±1.6% full scale	and below. High strength cobalt alloy (Duratherm 600) for ranges of 5 psi and above.
Dial Size 4" (100mm) or 6" (160mm)	Housing Material 316 stainless steel with a Viton O-ring
Case and Ring 304 SS safety design case with bayonet ring (316 stainless steel case and ring optional)	Socket Material 316 stainless steel
Dial White painted aluminum	Socket Connection 1/4 NPT or 1/2 NPT lower Flange for direct mounted valves
Pointer Black painted aluminum with external adjust feature standard (to 25% of range)	Range 0-16 IWD (inches of water differential) to 400 psid
Window Shatterproof glass	Static Pressure 1450 psi standard with optional static pressure to 3625 psid
Diaphragm Material 316 stainless steel for ranges 5 psi	Mounting Stem, wall or pipe

Options

	Code
Glycerin fill	(L)
Silicone fill	(XGV)
Weatherproof/Hermetically sealed case	(XLJ)
Wall mounting bracket	(XFW)
Pipe mounting bracket	(XTM)
3-way manifold	(X43)
Hastelloy C diaphragm w/316 stainless steel housing ^(1,2)	(HS)
Monel diaphragm w/316 stainless steel housing ⁽²⁾	(PS)
Hastelloy C diaphragm and housing ^(1,2)	(HH)
See page 247 for selection and ordering code	
Electric warning contacts	
1/2% full scale accuracy (unidirectional upscale).....	(XAJ)
Static pressure to 3625 psi	(XSP)
Polycarbonate window	(XPD)

(1) For ranges 5 psid and above.
(2) Goes in 3 and 4 spot below for coding.
Viton® is a registered trademark of DuPont Co.

STANDARD RANGES*

psid	mbar	bar	I.W.D.
3	40	0.6	16
5	60	1.0	30
10	100	1.6	60
15	160	2.5	100
30	250	4	200
60	400	6	
100		10	
160		16	
200		25	
300			
400			

*Other ranges on application

TO ORDER THIS MODEL 5503 DIFFERENTIAL PRESSURE GAUGE:

Select: _____ 10 _____ 5503 _____ S _____ S (L) _____ 02L _____ XXX _____ 0/100 psid

1. Dial size – 100mm, 160mm _____

2. Type _____

3. 316 SS diaphragm _____

4. 316 SS housing and socket (L) liquid filled _____

5. Connection size and location _____

6. Optional features _____

7. Pressure range _____

- **±2.5% full scale accuracy**
- **Stainless steel case**
- **316 stainless steel wetted parts**
- **Inches of water differential ranges**
- **Static pressure for ranges**
160IW & lower – 145 psi
above 160IW – 360 psi
- **External zero adjust**
- **Available with open or solid front case styles**
- **Optional liquid-filled case**
- **4" (100mm) or 6" (160mm) dial sizes**

The Ashcroft® Type 5509 differential pressure gauge comes standard with 316SS wetted parts. This rugged gauge features an external zero adjust feature standard. Static pressure up to 360 psi.



PRODUCT SPECIFICATIONS

GENERAL DIFFERENTIAL PRESSURE MEASUREMENT SPECIFICATIONS

Accuracy
±2.5% full scale

Dial Size
4" (100mm) or 6" (160mm)
Zero adjust at top of case

Case and Ring
304 stainless steel open front case with a bayonet ring (solid front optional)

Dial
White painted aluminum with black markings

Pointer
Black painted aluminum with external adjust feature standard (to 25% of range)

Window
Shatterproof glass

Wetted Parts
Bellows 316 SS
Diaphragm Material
316 stainless steel for ranges 15 psi and below. High strength cobalt alloy (Duratherm 600) for ranges above 15 psi.

Housing Material
316 stainless steel with a Viton O-ring

Socket Connection
¼ NPT or ½ NPT lower

Range
0-10 IWD (inches of water differential) to 400 psid

Static Pressure
From 10 IWD to 3 psi – static pressure 145 psi
5 psi and above – static pressure 360 psi

Mounting
Stem, wall or pipe

Ingress Protection
IP54 (digital), IP65 (liquid filled), optional IP65 (dry case)

Options

Code
Glycerin fill (L)
Silicone fill (XGV)
Weatherproof/Hermetically sealed case (IP65) (XLJ)
Wall mounting bracket (XFW)
Pipe mounting bracket (XTM)
3-way manifold⁽¹⁾ (X43)
Electric warning contacts
See page 267 for selection and ordering code
Polycarbonate window (XPD)
Solid front (S)

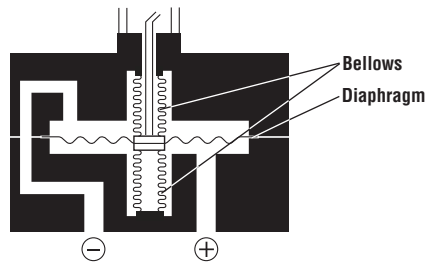
⁽¹⁾ Requires additional piping (not supplied). Viton® is a registered trademark of DuPont Co.

STANDARD RANGES*

psid	mBar	bar	I.W.D.
3	25	0.6	10
5	40	1.0	30
10	60	1.6	60
15	100	2.5	100
30	160	4	200
60	250	6	
100	400	10	
160		16	
200		25	
300			
400			

*Other ranges on application

MEASURING PRINCIPLE



TO ORDER THIS MODEL 5509 DIFFERENTIAL PRESSURE GAUGE:

Select: _____

1. Dial size – 100mm, 160mm _____

2. Type _____

3. 316 SS diaphragm, housing and socket _____

4. For solid front option add (S), otherwise leave blank _____

5. Connection size and location _____

6. Optional features _____

7. Pressure range _____

10 5509 S 02L XXX 0/100 psid