

1130 Differential Pressure Gauge

Features

- High static pressure capability (up to 6,000 psi)
- Ranges from 5 psi to 150 psi
- Reed switches optional for direct system control
- Superior magnets for smoother pointer motion
- Buna-N O-rings (others available)
- Piston actuator
- Dry or liquid filled case

Typical Uses

- Filtration monitoring
- Hydraulics
- Flow rate
- Pump performance
- Measuring pressure drop

Specifications

Accuracy:	±2% ascending pressure full scale differential
Sizes:	2", 2½", 3½", 4", 4½", 6"
Ranges:	0-5 psi to 150 psi
Process Connection Location:	Lower, back, in-line
Process Connection Size:	¼ NPT Female (STD.), ⅜ NPT or ½ NPT Female Adapters (OPT.)
Migration:	Minor migration of process media
Weather Protection:	IP65
Maximum Process Temperature:	175 °F (80 °C)
Maximum Static Pressure:	3,000 psi (6,000 psi for Stainless steel)

Wetted Components

Actuator	O-Rings/Diaphragm	Body Material
Piston	Buna-N	Aluminum, brass or Stainless steel

Ceramic magnet & SS spring are also wetted components

Non-Wetted Components

Case Material	Window
Stainless steel	Glass (STD.), Safety glass or plastic (OPT.)



1130 Gauge
2", 2½", 3½", 4", 4½", 6" dial sizes

Key Benefits

- Recommended for air and gas processes only
- Recommended for high differential and high static pressure
- Low cost
- Stainless steel case
- Switch outputs available
- 5 year warranty

Ratings For Standard Reed Switches

Switches	Contact Rating	Current	Voltage
SPST	10 VA ac (rms) or dc (Max.)	0.5 Amp ac (rms) or dc (Max.)	100 Vac/Vdc (Max.)
SPDT	3 VA ac (rms) or dc (Max.)	0.3 AMP ac (rms) or dc (Max.)	30 Vac/Vdc (Max.)

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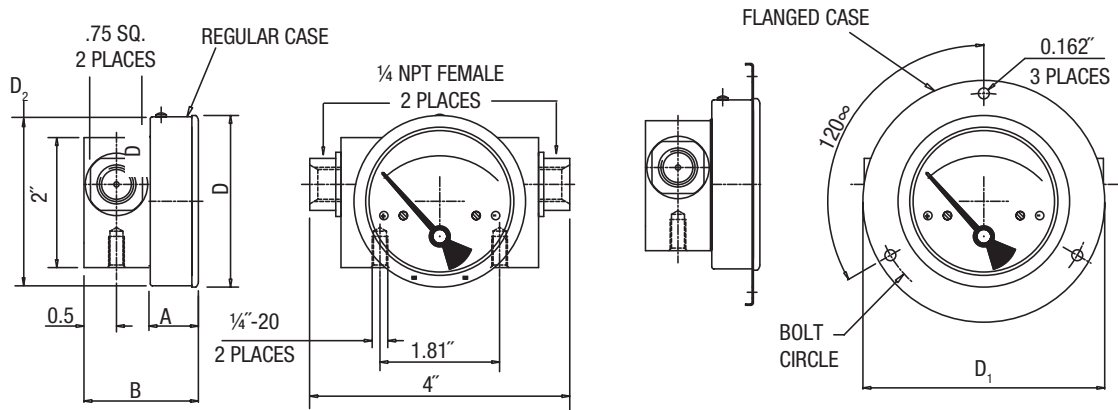
Ordering Code	Example:	20	1130	A	D	25	S	XV1	5#
Size									
20 - 2"		20							
25 - 2½"									
35 - 3½"									
40 - 4"									
45 - 4½"									
60 - 6"									
Series									
1130 - Piston Actuated			1130						
Body Material									
A - Brass				A					
F - Aluminum									
S - Stainless steel									
Case Fill									
D - Dry					D				
L - Glycerin fill (Liquid fill has an effect on accuracy that varies with range and temperature.)									
Process Connection Size									
25 - ¼ NPT Female						25			
Process Connection Location									
S - In-Line							S		
L - Lower									
B - Back									
Options (If choosing an option(s) must include an "X")								X	
Dampening									
GV - Silicone case fill (Add to list price of glycerin filled gauge)									
Windows/Pointers									
EO - Outside adjustable set pointer (N/A with 2" case)									
EP - Maximum pointer (N/A with: liquid filled case, safety glass or 2" case)									
PD - Acrylic window									
SG - Safety glass (N/A with 2" or 2½" case)									
Mounting									
BF - Surface mounting plate									
FF - Front flange									
TM - 2" Pipe mounting bracket (In-Line connection only)									
Connections/Porting									
GE - ⅜ NPT adaptors									
GM - ½ NPT adaptors									
RP - Reverse porting									
LF - Filter/Strainer-High port only (available with ¼ NPT only)									
O-Ring Alternatives									
EM - EPDM O-ring									
VD - Viton O-ring									
Switching									
EW - ½ NPT Conduit adaptor for DIN Plug									
FS - Factory set switch									
V1 - 1-SPST switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)								V1	
V2 - 1-SPST switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V3 - 2-SPST switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V4 - 2-SPST switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V5 - 1-SPDT switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V6 - 1-SPDT switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V7 - 2-SPDT switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
V8 - 2-SPDT switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, preset @ 90%)									
Marking/Tagging									
CS - Dual scale (first unit appears on top, 2nd below)									
DD - Color band (any combination of green, yellow, red)									
NH - Stainless steel tag									
Testing/Certificates									
C4 - Traceable calibration certificate									
HY - Hydrostatic testing									
Range (coding examples only, see range table on page 3 for all standard ranges.)									
5# - 5 psi									5#

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1130- Single Scale			
psid	kg/cm²	bar	kPa
-	0.25KG	0.25BR	25KP
5#	-	-	-
8#	0.5KG	0.5BR	50KP
10#	0.75KG	0.75BR	75KP
15#	1KG	1BR	100KP
20#	-	-	-
25#	1.6KG	1.6BR	160KP
30#	2KG	2BR	200KP
-	2.5KG	2.5BR	250KP
40#	3KG	3BR	300KP
50#	-	-	-
60#	4KG	4BR	400KP
-	5KG	5BR	500KP
80#	-	-	-
-	6KG	6BR	600KP
100#	7KG	7BR	700KP
-	9KG	9BR	900KP
150#	10KG	10BR	1,000KP

Dimensions

For reference only, consult Ashcroft for specific dimensional drawings.



Dial Size	Dimensions					
Inches	A	B	D	D ₁	D ₂	Bolt Circle
2"	0.70"	1.70"	2.08"	3.11"	2.04"	2.72"
2.5"	0.75"	1.75"	2.59"	3.66"	2.55"	3.26"
3.5"	0.75"	1.75"	3.26"	4.29"	3.22"	3.86"
4"	0.75"	1.75"	4.10"	5.15"	4.01"	4.76"
4.5"	0.75"	1.75"	4.71"	5.74"	4.60"	5.35"
6"	0.75"	1.75"	6.07"	7.12"	6.00"	6.73"