

1140 Differential Pressure Gauge

Features

- Glass filled nylon case
- High static pressure capability (up to 6,000 psi)
- Ranges from 5 psid to 150 psid
- Reed switches optional for direct system control
- Superior magnets for smoother pointer motion
- Easily removed window for wipe-down
- Panel or direct mount

Typical Uses

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

Specifications

Accuracy:	±2% ascending pressure full scale differential
Sizes:	2½", 4½", 6"
Ranges:	0-5 thru 0-150 psid
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
Maximum Process Temperature:	175 °F (80 °C)
Maximum Static Pressure:	3,000 psi (6,000 psi for Stainless steel)
Weather Protection:	IP65

Wetted Components

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

Ceramic magnet & Stainless steel spring are also wetted components

Non-Wetted Components

Case Material	Window
Thermoplastic, glass filled nylon	Glass (STD.), Safety glass or plastic (OPT.)



1140
2½", 4½", 6" dial sizes

Key Benefits

- For high differential and high static pressure
- For locations where temperature fluctuations can cause condensation
- Low Cost
- Panel or direct mounting
- Easy removable window for cleaning
- 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.)

1140 Differential Pressure Gauge

Ordering Code	Example:	25	1140	A	D	25	S	XV1	5#
Size									
25 - 2½"									
45 - 4½"									
60 - 6"									
Model									
1140 - Piston Actuated			1140						
Body Material									
A - Brass				A					
F - Aluminum									
S - Stainless steel									
Case Fill									
D - Dry					D				
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__	
Windows/Pointers									
EO - Outside adjustable set pointer									
EP - Maximum pointer (N/A w/ safety glass)									
PD - Acrylic window									
SG - Safety glass (N/A w/ 2½" case)									
Mounting									
TM - 2" Pipe mounting bracket									
Connections/Porting									
GE - ⅝ 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%)								V1	
V2 - 1-SPST switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V3 - 2-SPST switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V4 - 2-SPST switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V5 - 1-SPDT switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V6 - 1-SPDT switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V7 - 2-SPDT switch w/DIN plug (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
V8 - 2-SPDT switch w/terminal strip (N/A with back connection) (Adj. 20-100% of range, Preset @ 80%)									
Marking/Tagging									
CS - Dual scale									
DD - Color band (any combination of green, yellow, red)									
NH - Stainless steel tag									
Testing/Certificates									
C4 - Traceable calibration certificate									
Range (coding examples only, see range table on page 3 for all standard ranges.)									
5# - 5 psi									5#

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1140 - Single Scale Range

psid	kg/cm ²	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

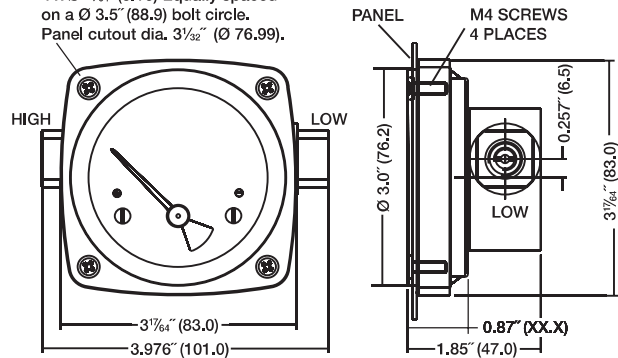
Other ranges available upon request

Dimensions

For reference only, consult Ashcroft for specific dimensional drawings.

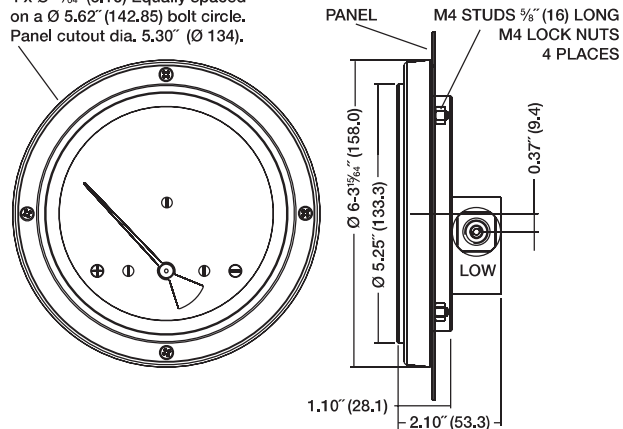
1140 2½" (63mm) Dial Size

4 x Ø 13/64" (5.16) Equally spaced on a Ø 3.5" (88.9) bolt circle. Panel cutout dia. 3 1/2" (Ø 76.99).



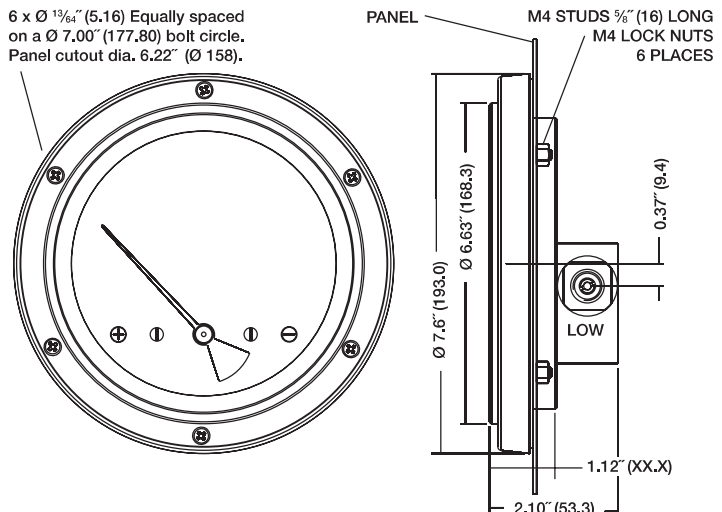
1140 4½" (115mm) Dial Size

4 x Ø 13/64" (5.16) Equally spaced on a Ø 5.62" (142.85) bolt circle. Panel cutout dia. 5.30" (Ø 134).



1140 6.0" (150mm) Dial Size

6 x Ø 13/64" (5.16) Equally spaced on a Ø 7.00" (177.80) bolt circle. Panel cutout dia. 6.22" (Ø 158).



Contact Us

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