

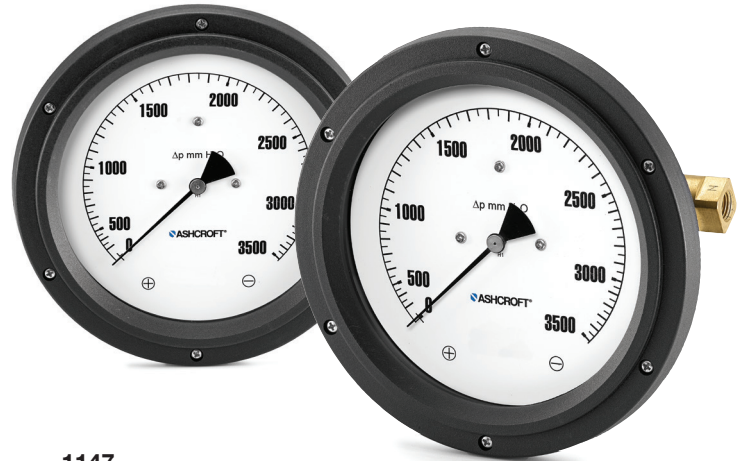
1147 Differential Pressure Gauge for Tank Level Measurement

Features

- 270 Degree dial arc
- Static pressure capability 1,000 psi
- Superior magnets for smoother pointer motion
- Convoluted diaphragm actuator
- Easily removed window for cleaning
- Viton® Diaphragm & O-Rings (others available)

Typical Uses

- Tank level measurement
- Flow measurement
- Filtration monitoring
- Pump monitoring
- Liquid nitrogen



1147
4½", 6" dial sizes

Specifications

Accuracy:	±2% ascending pressure full scale differential, ±1.6% (optional)
Sizes:	4½", 6"
Ranges:	30 in. H ₂ O up to 2000 in. H ₂ O or equivalent ranges in other units.
Process Connection Location:	Lower (standard), back or in-line (optional)
Process Connection Sizes:	¼ NPT Female (STD.) ½ NPT Female adapters (OPT.)
Migration:	Zero
Weather Protection	IP65
Maximum Process Temperature:	175 °F (80 °C)
Minimum Ambient Temperature:	Buna-N diaphragm -4 °F (-20 °C) EPDM diaphragm -40 °F (-40 °C) Viton™ diaphragm 32 °F (0 °C)
Maximum Static Pressure:	1,000 psi

Wetted Components

Actuator	O-Rings/Diaphragm	Body Material
Convoluted diaphragm	Viton™	Aluminum, brass or stainless steel

Non-Wetted Components

Case Material	Window
Thermoplastic/glass filled nylon	Glass (standard), safety glass or plastic (optional)

Key Benefits

- No migration of the process media
- Standard switches available
- 5 year warranty
- ITT Barton retrofit

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.)

Contact Us

1147 Differential Pressure Gauge for Tank Level Measurement

Ordering Code	Example:	60	1147	A	D	25	L	XNH	2000MW
Dial Size									
45 - 4½" Dial									
60 - 6" Dial		60							
Model			1147						
1147 - 270 degree dial DP Gauge									
Body Material				A					
A - Brass									
F - Aluminum									
S - Stainless steel									
Case Fill					D				
D - Dry									
Process Connection Sizes						25			
25 - ¼ NPT Female									
Process Connection Location							L		
L - Lower (STD.)									
B - Back									
S - In Line									
Options								XNH	
Windows/Pointers									
EO - Outside adjustable set pointer									
EP - Maximum pointer (only available with PD window)									
PD - Acrylic window									
SG - Safety glass									
Mounting									
BF - Back plate for surface mounting									
TM - 2" Pipe mounting bracket									
Connections/Porting									
GM - ½ NPT adaptors									
Diaphragm & O-Ring Alternatives									
BW - Buna-N Diaphragm & O-Ring									
EM - EPDM Diaphragm & O-ring									
Switching									
EW - ½ NPT Conduit Adaptor for DIN Plug									
FS - Factory set switch									
V1 - 1-SPST switch w/DIN plug (Adj. 20-100% of range, Preset @ 90%)									
V2 - 1-SPST switch w/terminal strip (Adj. 20-100% of range, Preset @ 90%)									
V3 - 2-SPST switch w/DIN plug (Adj. 20-100% of range, Preset @ 90%)									
V4 - 2-SPST switch w/terminal strip (Adj. 20-100% of range, Preset @ 90%)									
V5 - 1-SPDT switch w/DIN plug (Adj. 20-100% of range, Preset @ 90%)									
V6 - 1-SPDT switch w/terminal strip (Adj. 20-100% of range, Preset @ 90%)									
V7 - 2-SPDT switch w/DIN plug (Adj. 20-100% of range, Preset @ 90%)									
V8 - 2-SPDT switch w/terminal strip (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									
Range (Coding example only. See Range Table on page 3 for all standard ranges.)									
2000MW - 2000 mm H ₂ O									2000MW

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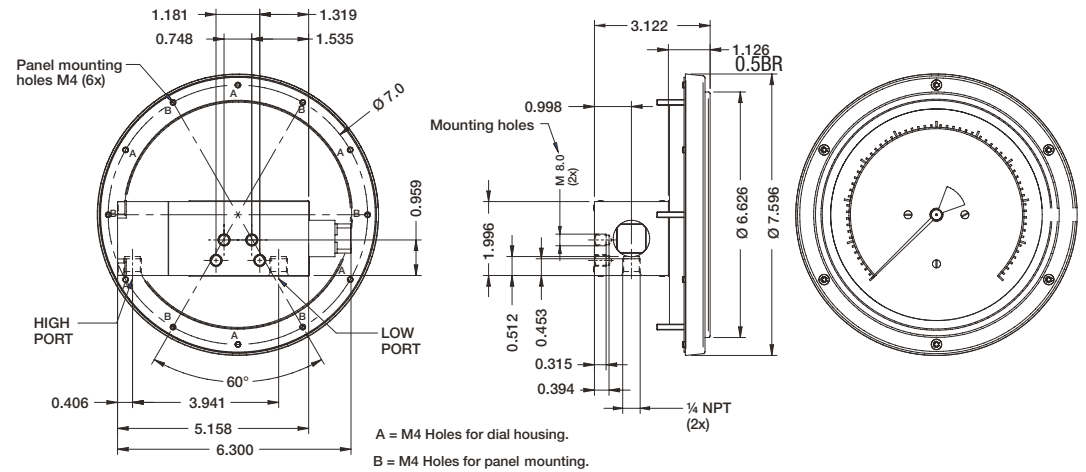
1147 - Range Table

in. H ₂ O	mm H ₂ O	psi
30IW	750MW	1#
40IW	1000MW	1.5#
60IW	1200MW	2#
80IW	1500MW	3#
100IW	2000MW	4#
150IW	2500MW	5#
200IW	3000MW	6#
300IW	4000MW	7#
400IW	5000MW	10#
500IW	6000MW	20#
600IW	7500MW	30#
1000IW	10000MW	40#
2000IW	12000MW	50#
-	15000MW	60#
-	20000MW	70#
-	25000MW	-
-	30000MW	-
-	40000MW	-
-	50000MW	-

Dimensions (inches)

For reference only, consult Ashcroft for specific dimensional drawings

1147 Gauge 6.0" dial size



1147 Gauge 4.5" dial size

