### **Data Sheet**



# 1140 Differential Pressure Gauge

#### **FEATURES**

- Glass filled nylon case
- High static pressure capabilty (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
- Flo

- Pu
- Me

Flow rate			
Pump performance			
Measuring pressure drop			
SPECIFICATIONS			
Accuracy:	±2% ascending pressure full scale differential	1	
Sizes:	2½", 4½", 6"		
Ranges:	0-5 thru 0-150 psid		
Process Connection Location:	Lower, back, in-line		
Process Connection Size:	1/4 NPT Female (STD.) 1/6 NPT or 1/2 NPT Female Adapters (OPT.)		
Migration:	Minor migration of process media		
Maximum Process	175°F (80°C)		

Maxim 175°F (80°C) Temperature:

Maximum Static 3,000 psi (6,000 psi for SS)

Pressure:

Weather Protection: IP65

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



### **KEY BENEFITS**

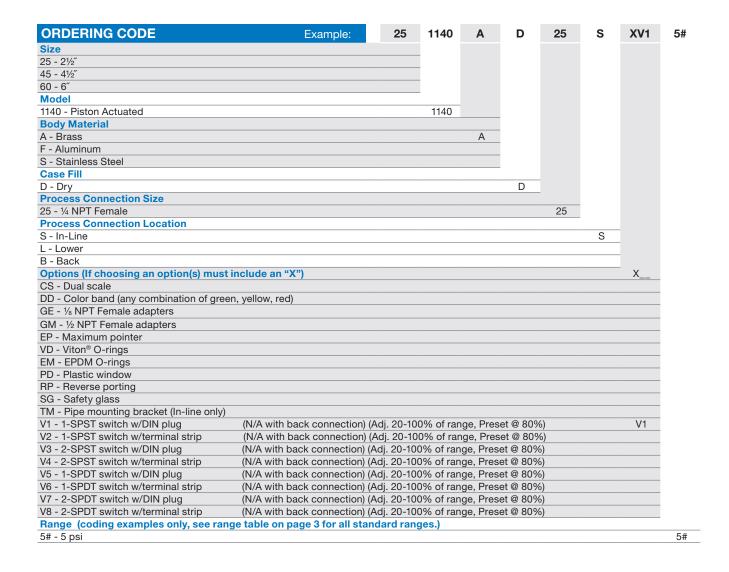
- For high differential and high static pressure
- For locations where temperature fluctuations can cause condensation
- Low Cost
- Panel or direct mounting
- Easy removable window for cleaning
- 5 year warranty

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.)		

### **Data Sheet**



### 1140 Differential Pressure Gauge





0.87"(XX.X)

1.85" (47.0)

## 1140 Differential Pressure Gauge

1140 - Single Scale Range					
psid	kg/cm²	bar	kPa		
-	0.25KSC	0.25BR	25KPa		
5#	-	-	-		
8#	0.5KSC	0.5BR	50KPa		
10#	0.75KSC	0.75BR	75KPa		
15#	1KSC	1BR	100KPa		
20#	-	-	-		
25#	1.6KSC	1.6BR	160KPa		
30#	2KSC	2BR	200KPa		
-	2.5KSC	2.5BR	250KPa		
40#	3KSC	3BR	300KPa		
50#	-	-	-		
60#	4KSC	4BR	400KPa		
-	5KSC	5BR	500KPa		
80#	-	-	-		
-	6KSC	6BR	600KPa		
100#	7KSC	7BR	700KPa		
-	9KSC	9BR	900KPa		
150#	10KSC	10BR	1,000KPa		

other ranges availabbe upon request

### **DIMENSIONS**

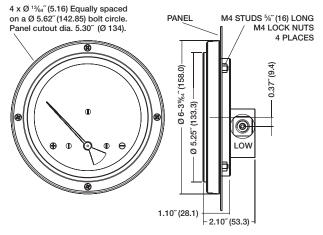
For reference only, consult Ashcroft for specific dimensional drawings.

### 

#### 1140 41/2" (115mm) Dial Size

317/64" (83.0)

3.976" (101.0)



#### 1140 6.0" (150mm) Dial Size

