

## Differential Pressure Gauges Type 1133 ±2% Ascending Accuracy

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

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 only available in Aluminum, with Buna, Viton or EPDM seals.<sup>(2)</sup>

- (1) Not for use with incompatible media.  
 (2) Other wetted parts include stainless steel, Teflon and ceramic.  
 (3) 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)	½ NPT (RQ), ¼ NPT (25)
Connection Location	In-Line (S), Lower (L), Back (B)
Window	Glass
Warranty	Five Years
<b>OPTIONS</b>	
Switches <sup>(1)</sup>	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

(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 |

### 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  
150 Vac/Vdc (max)

#### SPDT SWITCH

##### Specifications:

- Contact Rating  
5 VA ac (rms) or dc (max)  
Switching Current  
0.25 Amp ac (rms) or dc (max)  
Switch Voltage  
175 Vac/Vdc (max)

### STANDARD RANGES – Type 1133

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

### TO ORDER THIS 1133 DIFFERENTIAL PRESSURE GAUGES:

Select: \_\_\_\_\_ 35      1133      FD      25S      XXX      10IWD

1. Dial size—3½," 4," 4½," 6" \_\_\_\_\_

2. Case type—1133 \_\_\_\_\_

3. Body material \_\_\_\_\_

4. Connection size—½ NPTF (RQ), ¼ NPTF (25) \_\_\_\_\_

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

6. Optional features—see above \_\_\_\_\_

7. Standard pressure range \_\_\_\_\_

Consult factory for guidance in product selection  
 Phone (203) 385-0217, Fax (203) 385-0602 or  
 visit our web site at [www.ashcroft.com](http://www.ashcroft.com)