

Differential Pressure Gauges Type 1131 2% Ascending Accuracy

- Rolling diaphragm actuator
- Stainless steel case
- Ranges from 5 psid-100 psid
- Static pressures up to 3000 psi
- Aluminum⁽³⁾, brass or stainless steel bodies⁽¹⁾
- Buna-N O-rings (others available)
- Superior magnets for smoother power motion
- Standard or explosion-proof reed switches available
- 5-year warranty

The Type 1131 is utilized for applications where migration of the process media is not permissible. The Type 1131 uses a rolling diaphragm design to separate the high and low-pressure ports to isolate the media and can see up to 3000 psi static pressures. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.⁽²⁾

- (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 1131
Accuracy (Ascending)	2%
Migration	Zero
Range Limits	0-5 psid to 100 psid
Maximum Static Pressure	3000 psi (all)
Actuator	Rolling Diaphragm
Case Material	Stainless Steel
Dial Size	2½" (25), 3½" (35), 4" (40), 4½" (45), 6" (60)
Maximum Process Temperature	175°F / 80°C
Body Materials	Aluminum (F), Brass (A), Stainless Steel (S)
Diaphragm/O-Rings	Buna-N
Connection Size (Female)	¼ NPT (RQ), ¼ NPT (25)
Connection Location	In-Line (S), Lower (L) Back (B)
Window	Glass
Warranty	Five Years
OPTIONS	
Switches ⁽¹⁾	Available
Front Flange (XFF)	Available
Viton Seals/O-Rings (XVD)	Available
EPDM Seals/O-Rings (XEM)	Available
Glycerin Fill (L)	Standard Fill Option
Silicone Fill (XGV)	Available
Plastic Window (XPD)	Available
Explosion Proof (XEK)	Available ⁽²⁾

(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 |

(2) Specify lower or back connection for gauge (not available in-line) and switch type XV1-XV8

RATINGS FOR BOTH STANDARD & EXPLOSION PROOF 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)

EXPLOSION-PROOF SWITCH INFORMATION:

Switches and electrical connections are mounted in an explosion-proof enclosure with UL, CSA, Cenelec and FM approval. The enclosure meets Class 1, Groups B, C, D, Class 2 Groups E, F, G, Class 3, NEMA 7 & 9 and IP 66. Two ¾" electrical conduit connections.

STANDARD RANGES – Type 1131

psi	0-5	0-7	0-15	0-25	0-30	0-40	0-60	0-100
kPa	0-25	0-50	0-75	0-100	0-200	0-250	0-400	0-700
Kg/cm ² -Bar	0-0.25	0-0.5	0-0.75	0-1	0-2	0-2.5	0-4	0-7

TO ORDER THIS 1131 DIFFERENTIAL PRESSURE GAUGES:

Select:

1. Dial size— 2½", 3½", 4", 4½", 6" _____ **25** **1131** **FD** **25S** **XXX** **30 psid**
2. Case type—1131 _____
3. Body material _____
4. Connection size—¼ NPTF (RQ), ¼ NPTF (25) _____
5. Connection location—In-line (S), Lower (L), Back (B) _____
6. Optional features—see above _____
7. Standard pressure range _____