



Differential Pressure Gauges Type 1130 ±2% Ascending Accuracy

- **Piston actuator**
- **Stainless steel case**
- **Ranges from 5 psid-150 psid**
- **Static pressures up to 6000 psi⁽⁵⁾**
- **Aluminum⁽⁴⁾, brass or stainless steel bodies⁽¹⁾**
- **Buna-N O-rings (others available)**
- **Superior magnets for smoother pointer motion**
- **Standard or explosion-proof reed switches available**
- **5-year warranty**

The Type 1130 uses a piston design where small migration of the process media is permissible.⁽²⁾ It is recommended for high differential and high static pressures, up to 6000 psi. Body materials are available in Aluminum, Brass and Stainless Steel, with Buna, Viton or EPDM seals.⁽³⁾

- (1), (2) Not for use with incompatible media.
 (3) Other wetted parts include stainless steel, Teflon and ceramic.
 (4) Not to be used with water or corrosive applications.
 (5) Static pressure over 3000 psi in SS only.



| SPECIFICATIONS | Type 1130 |
|-----------------------------|---|
| Accuracy (Ascending) | ±2% |
| Migration | Minor |
| Range Limits | 0-5 psid to 150 psid |
| Maximum Static Pressure | 3000 psi (6000 psi for SS) |
| Actuator | Piston |
| Case Material | Stainless Steel |
| Dial Size | 2" (20), 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) |
| 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 O-Rings (XVD) | Available |
| EPDM 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 1130

| | | | | | | | | | |
|-------------------------|--------|------|-------|--------|-------|-------|-------|-------|--------|
| psi | | 0-5 | 0-8 | 0-10 | 0-15 | 0-20 | 0-25 | 0-30 | |
| kPa | 0-25 | | 0-50 | 0-75 | 0-100 | | 0-160 | 0-200 | 0-250 |
| kg/cm ² -bar | 0-0.25 | | 0-0.5 | 0-0.75 | 0-1 | | 0-1.6 | 0-2 | 0-2.5 |
| psi | 0-40 | 0-50 | 0-60 | | 0-80 | | 0-100 | | 150 |
| kPa | 0-300 | | 0-400 | 0-500 | | 0-600 | 0-700 | 0-900 | 0-1000 |
| kg/cm ² -bar | 0-3 | | 0-4 | 0-5 | | 0-6 | 0-7 | 0-9 | 0-10 |

TO ORDER THIS 1130 DIFFERENTIAL PRESSURE GAUGES:

Select: _____ 25 1130 FD 25S XXX 30 psid

- Dial size—2," 2½," 3½," 4," 4½," 6" _____
- Case type—1130 _____
- Body material _____
- Connection size—¼ NPTF (RQ), ¼ NPTF (25) _____
- Connection location—In-line (S), Lower (L), Back (B) _____
- Optional features—see above _____
- Standard pressure range _____