

## O.E.M “Diaphragm Type” Differential Pressure Gauges & Switches Model 522



**RANGE: 0-5 P.S.I.D. TO 0- 50 P.S.I.D. (.3 bar to 3.4 bar)**



### Gauge Features:

- Safe Working Pressure: 1000 PSIG (69 bar).
- Aluminum or 316 / 316L SS Gauge Body.
- Wetted Parts: 316 SS, Ceramic, & Acetal components
- Seal & Diaphragm Material: Buna-N or Viton
- 1/4" FNPT Process Connections (End Connected)
- Weather-resistant construction standard.
- Dial Accuracy ± 5% standard.
- Switch Only (No Dial) available
- Dial: 0.80" weatherproof multicolored
- 2-1/2" Optional Dial Size

### Switch Features:

- Switches are optional
- Hermetically Sealed Switch Outputs up to 3 amps in SPST and up to .25 Amp in SPDT configuration.
- Switch Adjustable from 40% - 95% of Range \*
- Up to 240 VAC/VDC voltage ratings
- Available with Flat Pack case with Jacketed Flying Leads or with DIN IP65 / NEMA 4X Plug-in Connector.
- Optional Switch Set Feedback Decal
- Switch Location Top or Bottom
- CE Marking for Compliance with the Low Voltage Directive is available upon request.
- \*Dependent on selected switch option.



**Operation:** Differential pressure is sensed by flexible elastomer diaphragm and a calibrated spring. A magnetic coupling transmits the sensing element motion to an indicating pointer. This prohibits the possibility of fluid leaking into the gauge case, while assuring total isolation of the process fluid within the pressure capsule. The diaphragm assures total separation between high and low pressure signals. It is totally supported at full travel in either direction.

**Temperature Limits:** -40 °F (-40° C) to 200°F (93°C). These limits are based on the entire instrument being saturated to these temperatures. System (process) temperatures may exceed these limitations with proper installation. Contact our customer service representative for details.

**Standards:** All Model 522 Series differential pressure gauges either conform to and/or are designed to the requirements of the following standards: ASME B1.20.1 NACE MR0175, ASME B40.100 NEMA Std. 250, EN-61010-1 UL Std. No. 50 & 508, CSA-C22.2 No. 14

**Factory Preset of switches available at no charge (Specify switch setting on the order)**

**The use of diaphragm seals is not recommended.**

**Attempts to install such seals on this gauge will void the warranty**

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