



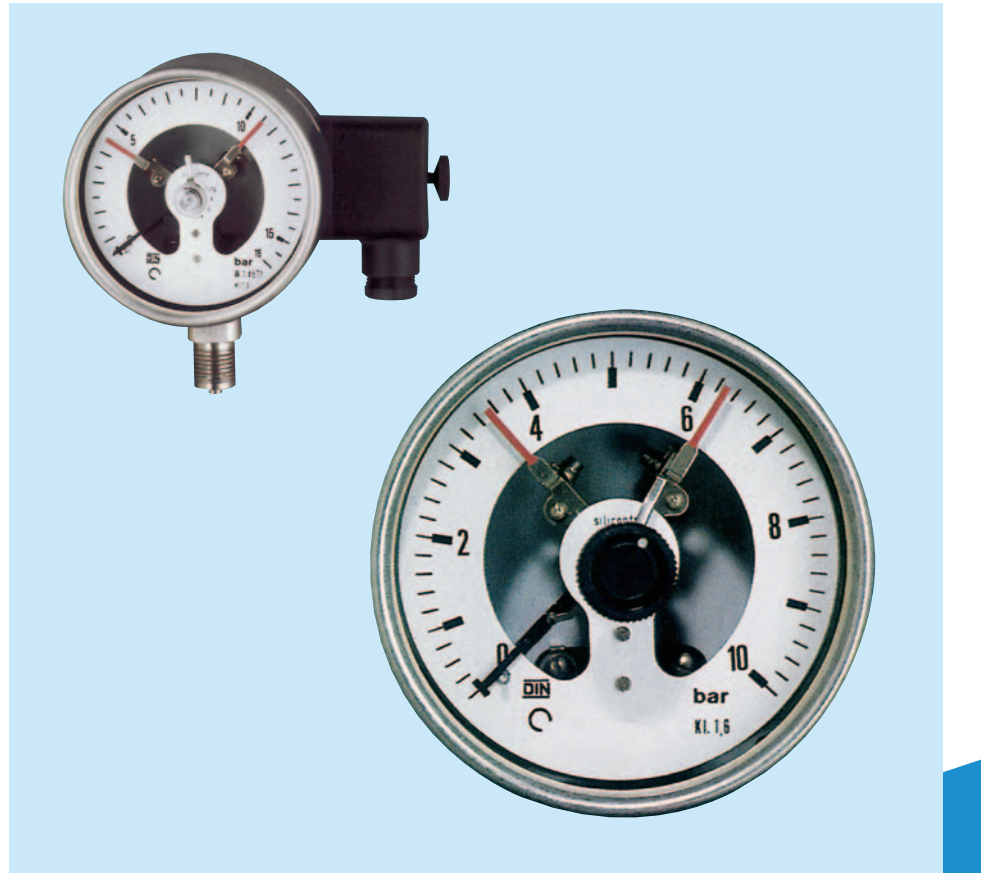
## Features

- 4" or 6" Combination Pressure Gauge & Switch
- 1 or 2 SPST Switches Possible
- Stainless Steel Construction
- $\pm 1.0\%$  Accuracy
- Pulsation and Vibration Damping Through Optional Paraffin Oil Filling

For those users needing a pressure gauge with switching capability and stainless steel construction, KOBOLD provides the model DRG26. Stainless steel movement, wetted parts and housing provide elevated resistance to corrosive chemicals. A rear blow-out membrane in the housing provides users with an added level of protection from catastrophic failure caused by overpressure.

Mounting options are: stem supported or panel mount with rear fittings. The DRG26 is fitted with up to two magnetically coupled or inductive switches. Paraffin oil filling is available to damp movement caused by pressure surges and pulsations.

Either four inch or six inch housings and dials are available ... letting the user choose whatever level of readability desired.



**KOBOLD DRG26 Pressure Gauge**

## Specifications

**Ranges:** -14.7 to 10,000 PSIG (see table)

### Usable Range

**Static Load:** 0-100% of full scale

**Dynamic Load:** 0-90% of full scale

**Sensing Element:** bourdon tube

### Accuracy (Range Specific)

**20 PSIG & Less:**  $\pm 1.6\%$  of full scale

**30 PSIG & More:**  $\pm 1.0\%$  of full scale

### Operating Temperature

**Medium:** freezing to 180°F

**Ambient:** freezing to 140°F

**Fittings:** 1/2" NPT

### Materials of Construction

#### Wetted Parts

**Element:** 316 Ti SS

**Fitting:** 316-Ti SS

#### Exterior

**Movement:** Stainless steel

**Housing:** 304 SS

**Bezel:** 304 SS

**Pointer:** Black aluminum

**Indicator Dial:** White aluminum

**Window:** Safety glass

### Magnetic Spring Contacts

**Repeatability:**  $\pm 5\%$  of full scale

**Ratings (max.):** 250 V, 0.6 A

30 W or 50 VA

### Inductive Contacts

**Repeatability:**  $\pm 0.5\%$  of full scale

**Logic:** NAMUR

**On:**  $> 3$  mA

**Off:**  $< 1$  mA

### Power Requirements

**Voltage:** 5-25 VDC @ 20 mA

### Environmental Protection

**Unfilled Housings:** NEMA 3

**Paraffin Oil Filled:** NEMA 4

**Options:** Paraffin oil damped indicator assembly

DRG26 Ordering Information					
<b>DRG26</b>	= Stainless Steel Bourdon Tube Pressure Gauge with Switches				
-1	= 100 mm (4 inch) Dial Face, Bottom Process Connection				
-2	= 100 mm (4 inch) Dial Face, Rear Process Connection				
-3	= 160 mm (6 inch) Dial Face, Bottom Process Connection				
-4	= 160 mm (6 inch) Dial Face, Rear Process Connection				
<b>Range</b>	= Pressure Range Abbreviation		<b>Available Measuring Ranges</b>		
<b>H00</b>	= -30" to 0" Hg	<b>210</b>	= 100 PSIG	<b>260</b>	= 600 PSIG
<b>115</b>	= 15 PSIG	<b>216</b>	= 160 PSIG	<b>310</b>	= 1000 PSIG
<b>130</b>	= 30 PSIG	<b>220</b>	= 200 PSIG	<b>320</b>	= 2000 PSIG
<b>160</b>	= 60 PSIG	<b>230</b>	= 300 PSIG	<b>330</b>	= 3000 PSIG
<b>M</b>	= Magnetic spring contact switch(es)		<b>Type of Switches</b>		
<b>I</b>	= Inductive switch(es)				
<b>Function</b>	= Desired Switching Behavior		<b>High/Low Function</b>		
<b>1</b>	= Single N/O	<b>11</b>	= N/O Low & N/O High	<b>12</b>	= N/O Low & N/C High
<b>2</b>	= Single N/C	<b>21</b>	= N/C Low & N/O High	<b>22</b>	= N/C Low & N/C High
<b>F</b>	= Paraffin oil damped indicator assembly		<b>Options</b>		
<b>DRG26</b>	<b>-1</b>	<b>H00</b>	<b>M</b>	<b>21</b>	<b>F</b>
<b>Sample DRG26 Specification</b>					

Dimensions (mm)

