



Features

- Combination Pressure Gauge & Switch
- 1 or 2 SPST Switches Possible
- Bourdon Tube Design
- DIN Accuracy Class: 1.0
- Pulsation and Vibration Damping Through Optional Paraffin Oil Filling

Should pressure switching be required in addition to pressure indicating capability, the DRF34 pressure gauge series is there to fill the need. Copper alloy components make up the bourdon tube sensing element and indicator movement. The housings with fittings at the bottom are made of stainless steel. With fittings oriented rearward, the housings are aluminum and feature a panel mounting bezel.

The DRF34 offers a choice of either one or two magnetically coupled or inductive switches. Paraffin oil filling is available to damp movement caused by pressure surges and pulsations.



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

DIN Accuracy Class:

**20 PSIG & Less:** 1.6

**30 PSIG & Up:** 1.0

**Operating Temperature**

**Medium:** freezing to 180°F

**Ambient:** freezing to 140°F

**Fittings:** 1/2" NPT

Materials of Construction

**Wetted Parts**

**Element**

**< 1000 PSIG:** Copper

**1000 PSIG & Up:** Stainless Steel

**Fitting:** CuZn Alloy

**Exterior**

**Movement:** Brass

**Housing:** 304 SS or aluminum

**Bezel:** 304 SS

**Pointer:** Black aluminum

**Indicator Dial:** White aluminum

**Window:** Safety glass

**Magnetic Spring Contacts**

**Repeatability:** ±5% of full scale

**Ratings (max.):** 250 V, 0.6 A  
30 W or 50 VA

**Inductive Contacts**

**Repeatability:** ±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

KOBOLD DRF34 Pressure Gauge

Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974  
 Phone: 267-673-8117 - 800-352-6265; Fax: 267-673-8118  
[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

Subject to change without prior notice.

DRF34 Ordering Information	
<b>DRF34</b>	= Brass Bourdon Tube Pressure Gauge with Switches
<b>-1</b>	= 100 mm (4 inch) Dial Face, Bottom Process Connection, Stainless Steel Housing
<b>-2</b>	= 100 mm (4 inch) Dial Face, Rear Process Connection, Aluminum Housing
<b>Range</b>	= Pressure Range Abbreviation
<b>H00</b>	= -30" to 0" Hg
<b>115</b>	= 15 PSIG
<b>130</b>	= 30 PSIG
<b>160</b>	= 60 PSIG
<b>210</b>	= 100 PSIG
<b>216</b>	= 160 PSIG
<b>220</b>	= 200 PSIG
<b>230</b>	= 300 PSIG
<b>260</b>	= 600 PSIG
<b>310</b>	= 1000 PSIG
<b>320</b>	= 2000 PSIG
<b>330</b>	= 3000 PSIG
<b>350</b>	= 5000 PSIG
<b>410</b>	= 10000 PSIG
<b>M</b>	= Magnetic spring contact switch(es)
<b>I</b>	= Inductive switch(es)
<b>Function</b>	= Desired Switching Behavior
<b>1</b>	= Single N/O
<b>2</b>	= Single N/C
<b>11</b>	= N/O Low & N/O High
<b>21</b>	= N/C Low & N/O High
<b>12</b>	= N/O Low & N/C High
<b>22</b>	= N/C Low & N/C High
<b>F</b>	= Paraffin oil damped indicator assembly
	<b>Options</b>
<b>DRF34</b>	<b>Sample DRF34 Specification</b>

Dimensions (mm)

