



Series DRG64 Pressure Gauge Installation and Operating Instructions

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Precautions

User's Responsibility for Safety: KOBOLD manufactures a wide range of process sensors and technologies. While each of these technologies are designed to operate in a wide variety of applications, it is the user's responsibility to select a technology that is appropriate for the application, to install it properly, to perform tests of the installed system, and to maintain all components. The failure to do so could result in property damage or serious injury.

Proper Installation and Handling: Use a proper sealant with all installations. Never over tighten the sensor within its fittings. Always check for leaks prior to system start-up.

Temperature and Pressure: Temperature and pressure maximums vary depending upon the material selected. Operation outside these limitations will cause damage to the unit.

Description:

With its six inch face, the DRG64 pressure gauge is readily visible from across a room. An aluminum housing, copper bourdon tube element, and brass movement combine to keep the DRG64 affordable. Accuracy is kept at an uncompromising $\pm 1.0\%$ of full scale.

Mounting options abound: freestanding with fittings at either the bottom or rear, as well as rear fitting panel mountable versions. The panel mountable versions come in two styles; one bezel is fastened via screws, while the other uses a rear pressure bracket.

Pulsation and vibration in the medium may be accommodated with an optional glycerin filling for the indicator mechanism



Material Compatibility: Make sure that the material of construction is chemically compatible with the application liquids. While the sensor's outer housing is liquid resistant when installed properly, it is not designed to be immersed. It should be mounted in such a way that it does not normally come into contact with fluid.

Flammable, Explosive and Hazardous

Applications: This unit is not an explosion-proof design. It should not be used in applications where an explosion-proof design is required.

Make a Fail-Safe System: Design a fail-safe system that accommodates the possibility of sensor or power failure. In critical applications, KOBOLD recommends the use of redundant backup systems and alarms in addition to the primary system

Specifications:

Ranges: -14.7 to 10,000 PSIG

Over Pressure Protection

Momentary: 1.15 to 1.3 x range max.

Sensing Element: bourdon tube

Accuracy: $\pm 1.0\%$ 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

< 1000 PSIG: Copper

>= 1000 PSIG: Stainless Steel

Fitting: Cu Alloy

Exterior

Movement: Brass

Housing: Aluminum

Bezel: 304 SS

Standard: Copper

DRG64-4xxx: Copper

Pointer: Black aluminum

Indicator Dial: White aluminum

Window: Plexiglass

Options: Glycerin Damped Indicator assembly