



Series DZF26 Pressure Gauge (4-20mA) 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:

Are you looking for traditional mechanical pressure indication, but need a 4-20 mA output? The KOBOLD DZF26 is the gauge you're looking for. We construct the DZF26 from corrosion resistant stainless steel to allow installation into the widest variety of process applications. The fast reacting pointer indicator may be oil damped to allow easy reading with surging or pulsating media.



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

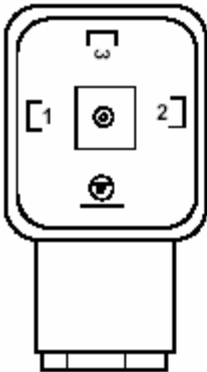
Applications: This unit is not an explosion-proof design. It should not be used in applications where an explosion-proof design is required.

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:	0–5,000 PSIG
Over Pressure Protection	
Momentary:	1.15 to 1.3 x range max.
Sensing Element:	Bourdon Tube w/ Hall Sensor
Accuracy	
No Oil Filling	±0.5% of full scale
w/ Oil Filling:	±1.0% of full scale
Operating Temperature	
Medium:	15 to 150°F
Ambient:	15 to 140°F
Fittings:	1/2" NPT
Materials of Construction	
Wetted Parts	
Element:	Ceramic
Seals:	PTFE
Fitting:	304 SS
Exterior	
Housing:	304 SS
Bezel:	304 SS
Pointer:	Black aluminum
Indicator Dial:	White aluminum
Window:	Safety glass
Electrical	
Output:	4–20 mA, 2-wire
Supply Volts:	10–32 VDC
Connector:	Hirschmann style DIN 43650 Plug
Temperature Coefficients	
Compensation:	15 to 100°F
Drift:	<0.05% per °F in comp. range
Environmental Protection:	NEMA 4

Wiring Diagram for KOBOLD DZF26 Series Pressure gauges



1= +12-30 VDC Power
2= 4-20 mA out
3= Not Used

Example Wiring Diagram

