

DSF26
DIGITAL PRESSURE GAUGE
WITH ANALOG OUTPUT



Flow
Pressure
Level
Temperature
measurement
monitoring
control

P1



- **Bright Green LED Pressure Readout**
- **High-Contrast, Backlit LCD Readout for Switch Settings**
- **Pressures to 5,800 PSIG**
- **Analog Output Standard**
- **Durable Piezoresistive Technology**
- **Up to Four SPDT Switches Available**
- **316-Ti SS, Sapphire & Viton® Wetted Parts**



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Model:
DSF26

Features

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KOBOLD electronic pressure gauges offer the convenience of an easy to read local indicating digital display, coupled with output and control features typically found only in two-piece pressure sensing systems. In addition to its large 1/2" tall green LED pressure display and analog outputs, the DSF26 provides the user with a choice of two or four keypad settable SPDT relays with programmable setpoint and hysteresis. Annunciation of the switch parameters is achieved via two 1/4" tall backlit LCD readouts. All this comes in a standard 100 mm (4 inch) dial gauge style housing ... a perfect replacement for existing equipment in need of upgrade.

The DSF26 digital pressure gauges feature stainless steel construction for superb chemical and corrosion resistance. This rugged design enables the DSF26 to measure pressures up to 5,800 PSIG.

The KOBOLD DSF26 comes standard with a local digital display and analog output ... ideal for remote monitoring. Setpoint relays are available as options. These SPDT relays come in pairs of either two or four switches. Setpoints and hysteresis are fully adjustable via the front keypad.



KOBOLD DSF26 Digital Pressure Gauge

Specifications

Ranges:	-14.7 to 5,800 PSI (see table)	Materials of Construction	
		Wetted Parts:	316-Ti SS, Viton® Sapphire
Over Pressure Protection		Housing:	304 SS, Nylon®
To 3,000 PSIG:	x 2 range max.	Electrical Information	
Above 3,000 PSIG:	x 1.5 range max.	Supply:	15-30 VDC @ 1 A
Sensor Type:	Ceramic Piezoresistive	Analog Output	
Accuracy:	±0.5% FS ± 1 digit	Turn Down:	5:1
Linearity:	±0.2% FS	Current:	0-20 mA, 4-20 mA, 3-wire into 500 Ω max.
Repeatability:	±0.1% FS ± 1 digit	Voltage:	0-10 VDC, 3-wire into 500 Ω min.
Response Time:	0.1 to 99.99 sec. (factory set)	Zero Adjust:	±25% of full scale
Operating Temperature		Relays	
Medium:	-5°F to 220°F	Type:	SPDT, Qty. 0, 2 or 4
Ambient:	-5°F to 140°F	Setpoints:	fully adjustable
Storage:	-40° to 160°F	Hysteresis:	fully adjustable
Temperature Drift Coefficients		Switch Delay:	0.02 to 99.99 sec. (factory set)
Zero:	< 0.05% FS/°F	Max. Voltage:	250 VAC, 220 VDC
Span:	< 0.05% FS/°F	Max. Current:	3 A
Displays		Max. Power:	50 VA, 60 W
Pressure:	4 digit, 1/2" green LED	Connections:	via terminal strip
Switches:	4 digit backlit LCD	Protection:	NEMA 4X/IP65



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DSF26 Ordering Information	
DSF26	= Digital Pressure Gauge with Analog Output
-Range	= Pressure Range Abbreviation Available Measuring Ranges V15 = -14.7 to 0 PSIG 210 = 100 PSIG 270 = 700 PSIG 350 = 5,000 PSIG 050 = 5 PSIG 215 = 150 PSIG 275 = 750 PSIG 358 = 5,800 PSIG 110 = 10 PSIG 220 = 200 PSIG 310 = 1,000 PSIG 115 = 15 PSIG 230 = 300 PSIG 315 = 1,500 PSIG 130 = 30 PSIG 250 = 500 PSIG 320 = 2,000 PSIG 160 = 60 PSIG 260 = 600 PSIG 330 = 3,000 PSIG
1	= Internal Membrane Ceramic Sensor Sensing Element Type
1	= 1/4" NPT Fittings
2	= 1/2" NPT
3	= 3/4" NPT
4	= 4-20 mA output Analog Output
0	= 0-20 mA output
1	= 0-10 VDC output
G	= Qty. 2 SPDT Limit Switches Optional Switches
H	= Qty. 4 SPDT Limit Switches
DSF26	Sample DSF26 Specification

Dimensions (mm)

