

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**



USA

KOBOLD Instruments Inc.
1801 Parkway View Drive
USA-Pittsburgh, PA 15205
☎ +1 412-788-2830
Fax +1 412-788-4890
E-mail: info@koboldusa.com



CANADA

KOBOLD Instruments Canada Inc.
9A Aviation
Pointe-Claire, QC H9R 4Z2
☎ +1 514-428-8090
Fax +1 514-428-8899
E-mail: kobold@kobold.ca

Visit KOBOLD Online at
www.kobold.com

Model:
DSF26



Features

- 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

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 LED digital display, analog signal output and setpoint relays as standard...ideal for remote monitoring. The SPDT relays are offered in pairs of either two or four switches. Setpoints and switch hysteresis are easily adjustable via the front keypad.



KOBOLD DSF26 Digital Pressure Gauge

Specifications

Ranges:	-14.7 to 5,800 PSI (see table)
Over Pressure Protection	
To 3,000 PSIG:	x 2 range max.
Above 3,000 PSIG:	x 1.5 range max.
Sensor Type:	Ceramic Piezoresistive
Accuracy:	±0.5% FS ± 1 digit
Linearity:	±0.2% FS
Repeatability:	±0.1% FS ± 1 digit
Response Time:	0.1 to 99.99 sec. (factory set)
Operating Temperature	
Medium:	-5°F to 220°F
Ambient:	-5°F to 140°F
Storage:	-40° to 160°F
Temperature Drift Coefficients	
Zero:	< 0.05% FS/°F
Span:	< 0.05% FS/°F
Displays	
Pressure:	4 digit, 1/2" green LED
Switches:	4 digit backlit LCD

Materials of Construction	
Wetted Parts:	316-Ti SS, Viton® Sapphire
Housing:	304 SS, Nylon®
Electrical Information	
Supply:	15-30 VDC @ 1 A
Analog Output	
Turn Down:	5:1
Current:	0-20 mA, 4-20 mA, 3-wire into 500 Ω max.
Voltage:	0-10 VDC, 3-wire into 500 Ω min.
Zero Adjust:	±25% of full scale
Relays	
Type:	SPDT, Qty. 2 or 4
Setpoints:	fully adjustable
Hysteresis:	fully adjustable
Switch Delay:	0.02 to 99.99 sec. (factory set)
Max. Voltage:	250 VAC, 220 VDC
Max. Current:	3 A
Max. Power:	50 VA, 60 W
Connections:	Terminal Block
Protection:	IP65



P1

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 2 3	= 1/4" NPT = 1/2" NPT = 3/4" NPT Fittings
4 0 1	= 4-20 mA output = 0-20 mA output = 0-10 VDC output Analog Output
G H	= Qty. 2 SPDT Limit Switches = Qty. 4 SPDT Limit Switches Switches
DSF26- 210 1 2 4 G	



Dimensions (mm)

