

Standard Capacitance Diaphragm Gauge



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CDL Series Standard Capacitance Diaphragm Gauges

- ▼ 1 to 1000 torr full scale range
- ▼ Unmatched repeatability for unheated gauges
- ▼ Excellent zero stability
- ▼ Improves system uptime

Specifications

Full scale range:	1, 2, 10, 20, 100 & 1000 Torr
Recommended minimum control Pressure ¹ :	
-- 1 Torr device	5mTorr
-- 2 Torr device	10 mTorr
-- 10 Torr device	50 mTorr
-- 20 Torr device	100 mTorr
-- 100 Torr device	500 mTorr
-- 1000 Torr device	5 Torr
Accuracy ² :	0.25% (.5% -1000 Torr only)
Temp. effect of zero:	0.008%/°C full scale
Temp. effect on span:	0.004%/°C reading
Response Time:	10 msec
Overpressure Limit:	17 PSIA or 125% of full scale-whichever is greater
Input Power:	± 15 VDC (±5%) @35 mAmps minimum
Output Signal:	0-10 VDC (5K load)
Ambient Operating Temp Range:	5-45°C
Exposed Materials:	Inconel [®] and 316L stainless steel
Measurement Cavity Volume:	17cc
Fittings:	KF-10, 8 VCO [®] female, 8 VCR [®] female, 2.75 in. Conflat [®] , KF-16
Connector Type:	Removable terminal strip or 15-pin sub "D" connector

Notes:

- 1 This is based on a 50 mVolt control signal and is a conservative number.
- 2 Includes hysteresis, linearity, long term stability and reference standards.

Note: In accordance with SEMI Standard E12-91, Standard Temperature is 0°C and Standard Pressure is 760 mm Hg (14.7 psia). All specifications subject to change without notice. VCO and VCR are registered trademarks of Crawford Fitting Co. Inconel and Conflat are registered trademarks of Inco Alloys International.

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