

# PRECISION

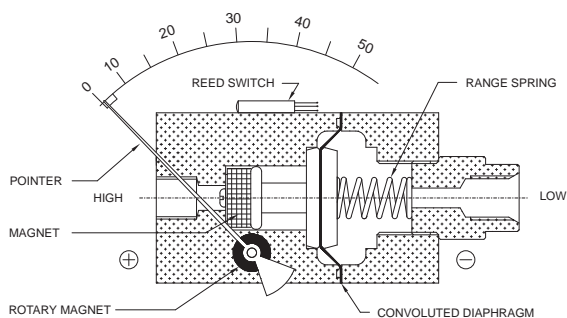
Differential Pressure Instruments



PRECISION Differential Pressure Instruments

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## LX300DGC Series Convuluted Diaphragm Gauge



### COMBINATIONS

#### Gauge



#### Gauge+switch



### MOUNTING BRACKETS

#### Gauge



#### Gauge+switch



## LX 300 DGC

LP Range : 0 - 1 Psid up to 0-60 Psid

### Specifications

Accuracy	±2% of the FSD (Ascending)
Migration	No migration ; Zero leakage from high to low port
Range	0-1 up to 0-60 Psid or equivalent ranges in other units
First marking on the scale	15% of the FSD
Sensing element	Diaphragm
Wetted parts	Diaphragm, body material, 302 SS spring & ceramic magnet
Case material	Engineered polymer
Dial size	2.5" (square), 4.5" (round)
Mounting	Direct, front flange, 2" pipe & surface mounting
Maximum working pressure	1500 psi/100 Bar
Maximum process temperature	175° F
Body material	Aluminum, Brass, 316 SS & Monel
Seals	Buna-N, Viton, EPDM diaphragm & 'O' rings
Lens	Acrylic
Connection	1/4" NPT(F) Std., other upon request
Porting	In-line, rear, bottom, bottom & vent, in-line & vent, in-line & bottom.
Over range protection	Up to the max. working pressure from high side
Protection for gauge & switch	IP 65 / NEMA-4
Over range protection	Up to max. working pressure

### Options

### Switches (Adjustable in 30-100% of FSD)

Liquid filling	Nema 4X Enclosure
Red follower pointer	1 or 2 SPSTs with a terminal strip
Customer logo	1 SPST with a built in relay
Dual scale	1 or 2 SPDTs with a terminal strip
Colored Arc	<b>Switch adjustment range 30-100% FSO</b>
Filter mesh in (+) connection	
Descending calibration	
1.6% Accuracy	
NACE	



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## LX 300DGC Order Code

LX CONVOULTED DIAPHRAGM GAUGE

<p><b>Series</b></p> <p><b>Model</b> 300DGC</p> <p><b>Style</b> G = Gauge only GS = Gauge + Switch</p> <p><b>Body Material</b> A = Aluminum    B = Brass S = 316SS        M = Monel</p> <p><b>Dial Size</b> SD = 2½" Square RD = 4½" Round</p> <p><b>Connection</b> 4N = ¼" FNPT (standard) ZZ = Special Connection</p> <p><b>Connection Location</b> 1 = Inline (standard)    4 = Bottom &amp; Vent 2 = Rear/Back            5 = Inline &amp; Vent 3 = Bottom                6 = Inline &amp; Vent</p> <p><b>Case</b> EP = Engineered Polymer</p> <p><b>Lens</b> A = Plexiglass</p> <p><b>Seals</b> B = Buna-n (standard) V = Viton E = EPDM</p> <p><b>Switch</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <p><b>SPST Specifications</b></p> <p>2 = 1 SPST w/terminal strip 2A = 1 SPST w/relay 4 = 2 SPST w/terminal strip 4A = 2 SPST w/relay</p> <p><b>SPDT Specifications</b></p> <p>6 = 1 SPDT w/terminal strip 8 = 2 SPDT w/terminal strip</p> </td> <td style="vertical-align: middle; text-align: center; font-size: 2em;">+</td> <td style="vertical-align: top;"> <p><b>SPST Specifications</b></p> <p>1 = 10VA/100V/0.5 A (std) 2 = 40VA/230V/1Amp 3 = 100VA/300V/1Amp</p> <p><b>SPDT Specifications</b></p> <p>1 = 3VA/30V/0.3 Amp (std) 2 = 5VA/125V/0.25 Amp 3 = 5VA/175V/0.25 Amp 4 = 60VA/400V/1 Amp*</p> </td> </tr> </table>	<p><b>SPST Specifications</b></p> <p>2 = 1 SPST w/terminal strip 2A = 1 SPST w/relay 4 = 2 SPST w/terminal strip 4A = 2 SPST w/relay</p> <p><b>SPDT Specifications</b></p> <p>6 = 1 SPDT w/terminal strip 8 = 2 SPDT w/terminal strip</p>	+	<p><b>SPST Specifications</b></p> <p>1 = 10VA/100V/0.5 A (std) 2 = 40VA/230V/1Amp 3 = 100VA/300V/1Amp</p> <p><b>SPDT Specifications</b></p> <p>1 = 3VA/30V/0.3 Amp (std) 2 = 5VA/125V/0.25 Amp 3 = 5VA/175V/0.25 Amp 4 = 60VA/400V/1 Amp*</p>	<p><b>LX</b></p> <p><b>300</b> <b>DGC</b></p> <p><b>G</b></p> <p><b>S</b></p> <p><b>SD</b></p> <p><b>4N</b></p> <p><b>1</b></p> <p><b>EP</b></p> <p><b>A</b></p> <p><b>V</b></p> <p><b>E</b></p> <p><b>0-10 Psid</b></p> <p><b>- Options</b></p>
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**Range**

Psid	Kg/cm <sup>2</sup>	Bar	Kpa	Inches W.C.
1	0.075	0.075	-	25
-	0.25	0.25	25	50
5	-	-	-	100
8	0.5	0.5	50	200
-	0.75	0.75	75	300
15	1	1	100	-
20	-	-	-	-
25	1.6	1.6	160	-
30	2	2	200	-
-	2.5	2.5	250	-
40	3	3	300	-
50	-	-	-	-
60	4	4	400	-

- 0 = None
  - A = Glycerine Fill\*\*
  - C = Customer Logo
  - D = Dual Scale
  - E = Colored Dial Arc
  - F = Filter Screen in + Port
  - H = Descending calibration
  - N = NACE
  - S = Silicone Fill\*\*
  - I = Oxygen Clean
  - M1 = 2" Horizontal Pipe Mount
  - M2 = Surface Mount Bracket
  - M3 = 2" Vertical Pipe Mount
- Notes  
\* = Switch Factory Set Only  
\*\* = Affects Accuracy



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