CEMS – DP TRANSMITTER

ORDERING INFORMATION

TABLE 5-6. Model 3051C Differential, Gage, and Absolute Pressure Transmitters. — = Not Applicable • = Applicable

Model	Transmitter Type (Select One)				CD	CG	CA
3051CD	Differential Pressure Transmitter				•	—	—
3051CG	Gage Pressure Transmitter				—	•	—
3051CA	Absolute Pressure Transmitter				—	—	•
Code	**PRESSURE RANGES (URL) (Select One)** **Model 3051CD**	**Model 3051CG**	**Model 3051CA**		**CD**	**CG**	**CA**
0	Not Applicable	Not Applicable	0–0.167 to 0–5 psia (0–8.6 to 0–260 mmHga)		—	—	•
1	0–0.5 to 0–25 inH_2O (0–0.12 to 0–6.22 kPa)	Not Applicable	0–0.3 to 0–30 psia (0–2.07 to 0–206.8 kPa)		•	—	•
2	0–2.5 to 0–250 inH_2O (0–0.62 to 0–62.2 kPa)	0–2.5 to 0–250 inH_2O (0–0.62 to 0–62.2 kPa)	0–1.5 to 0–150 psia (0–10.34 to 0–1034.2 kPa)		•	•	•
3	0–10 to 0–1,000 inH_2O (0–2.48 to 0–248 kPa)	0–10 to 0–1,000 inH_2O (0–2.48 to 0–248 kPa)	0-8 to 0-800 psia (0–55.16 to 0–5515.8 kPa)		•	•	•
4	0–3 to 0–300 psi (0–20.7 to 0–2070 kPa)	0–3 to 0–300 psig (0–20.7 to 0–2070 kPa)	0–40 to 0–4,000 psia (0–275.8 to 0–27580 kPa)		•	•	•
5	0–20 to 0–2,000 psi (0–138 to 0–13800 kPa)	0–20 to 0–2,000 psig (0–138 to 0–13800 kPa)	Not Applicable		•	•	—
Code	**Output**				**CD**	**CG**	**CA**
A	4–20 mA with Digital Signal Based on *HART* Protocol				•	•	•
M(1)	Low-Power, 1–5 V dc with Digital Signal Based on *HART* Protocol (See Option C2 for 0.8–3.2 V dc)				•	•	•
Code	**MATERIALS OF CONSTRUCTION** **Process Flange Type**	**Flange Material**	**Drain/Vent**	**Flange Adapters**	**CD**	**CG**	**CA**
5	*Coplanar*	Plated CS	SST	Plated CS	•	•	•
2	*Coplanar*	SST	SST	SST	•	•	•
3(2)	*Coplanar*	*Hastelloy C*	*Hastelloy C*	*Hastelloy C*	•	•	•
4	*Coplanar*	*Monel*	*Monel*	*Monel*	•	•	•
8(2)	*Coplanar*	Plated CS	*Hastelloy C*	Plated CS	•	•	•
7(2)	*Coplanar*	SST	*Hastelloy C*	SST	•	•	•
0	Alternate Flange–See Options H2, H3, H4, H7, F1, F2, G1, G2, FA, FB, FC, FD, or S5				•	•	•
Code	**Isolating Diaphragm**				**CD**	**CG**	**CA**
2	316L SST				•	•	•
3(2)	*Hastelloy C-276*				•	•	•
4	*Monel*				•	•	•
5	Tantalum (Available on Model 3051CD and CG, Ranges 2–5 only. Not available on Model 3051CA)				•	•	—
6	Gold-plated *Monel*				•	•	•
7	Gold-Plated SST				•	•	•
Code	**O-ring**				**CD**	**CG**	**CA**
A	Glass-filled TFE				•	•	•
B	Graphite-filled TFE (for use with Isolating Diaphragm Option Code 6, Gold-plated Monel)				•	•	•
Code	**Fill Fluid**				**CD**	**CG**	**CA**
1	Silicone				•	•	•
2	Inert fill (Halocarbon)				•	•	—
Code	**Housing Material**	**Conduit Entry Size**			**CD**	**CG**	**CA**
A	Polyurethane-covered Aluminum	½–14 NPT			•	•	•
B	Polyurethane-covered Aluminum	M20 x 1.5 (CM20)			•	•	•
C	Polyurethane-covered Aluminum	PG 13.5			•	•	•
D	Polyurethane-covered Aluminum	G ½			•	•	•
J	SST	½–14 NPT			•	•	•
K	SST	M20 x 1.5 (CM20)			•	•	•
L	SST	PG 13.5			•	•	•

(1) Not available with hazardous locations certification Option Codes I1, N1, E4, and K6.

(2) Meets NACE material recommendations per MR 01-75.

Annubar

Thermocouple or RTD

2 red

2 black

1 yellow

1 white

ODH 8 9/16"

OUR Recommendation