

# Middle capacity for commercial scale C2G1-\* -A General Spec.

2023/03/22

## Features



- Mid. capacity.
- Suitable for thin weighing scale.
- NTEP approved.

## Specification

Specification name	Specification contents
Rated capacity	58.84 N{6 kgf}~490.3 N{50 kgf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V±0.2 mV/V
Non-linearity	0.015 %R.O.
Hysteresis	0.015 %R.O.
Repeatability	0.02 %R.O.
Creep	0.02 %R.O./20 min
Creep recovery	0.02 %R.O./20 min
Excitation, recommended	12 V or less
Excitation, maximum	20 V

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Zero balance	±0.1 mV/V
Input resistance	400 Ω ~ 450 Ω
Output resistance	345 Ω ~ 355 Ω
Insulation resistance	2,000 MΩ or more (DC50 V) (between bridge and main body,
Temp. range, compensated	-10 °C~50 °C
Temp. range, safe	-10 °C~50 °C
Temp. effect on zero	0.04 %R.O./10 °C
Temp. effect on output	0.012 %LOAD/10 °C
Class of protection	IP64 or equivalent
Material of element	Aluminium alloy
Durability	1,000,000 times with rated load applied.
Effect of eccentric load	<p>■ C2G1-6K~35K</p> <ul style="list-style-type: none"> <li>• Size of loading plate is 300 mm x 300 mm at maximum.</li> <li>• The center of loading plate and the center of load cell should be the same position</li> <li>• Error is within 0.02 %R.O. applied with 1/2 of rated capacity at the position of 75 mm of eccentricity.</li> </ul>

## Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [kgf]	Weight(Approx.) [g]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection
C2G1-6K-A	58.84	6	200	220	0.62	IP64 or equivalent
C2G1-10K-A	98.07	10	200	295	0.53	IP64 or equivalent
C2G1-12K-A	117.7	12	200	323	0.53	IP64 or equivalent
C2G1-15K-A	147.1	15	200	360	0.53	IP64 or equivalent
C2G1-20K-A	196.1	20	200	373	0.65	IP64 or equivalent
C2G1-25K-A	245.2	25	200	417	0.65	IP64 or equivalent
C2G1-30K-A	294.2	30	200	455	0.65	IP64 or equivalent
C2G1-35K-A	343.2	35	200	493	0.65	IP64 or equivalent
C2G1-50K-A	490.3	50	200	540	0.67	IP64 or equivalent

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Parts No.	3D CAD files [STEP]	CAD files[DXF]
C2G1-6K-A	<a href="#">C2G1-6K-A.STEP</a>	c2g1-a.dxf
C2G1-10K-A	<a href="#">C2G1-10K-A.STEP</a>	c2g1-a.dxf
C2G1-12K-A	<a href="#">C2G1-12K-A.STEP</a>	c2g1-a.dxf
C2G1-15K-A	<a href="#">C2G1-15K-A.STEP</a>	c2g1-a.dxf
C2G1-20K-A	<a href="#">C2G1-20K-A.STEP</a>	c2g1-a.dxf
C2G1-25K-A	<a href="#">C2G1-25K-A.STEP</a>	c2g1-a.dxf
C2G1-30K-A	<a href="#">C2G1-30K-A.STEP</a>	c2g1-a.dxf
C2G1-35K-A	<a href="#">C2G1-35K-A.STEP</a>	c2g1-a.dxf
C2G1-50K-A	<a href="#">C2G1-50K-A.STEP</a>	c2g1-a.dxf