

Middle capacity for commercial scale C2G1- * -A- C6 OIML standard

2023/03/22

Features

OIML C6



- Mid. capacity.
- Suitable for thin weighing scale.
- OIML R60 C6 certified & NTEP approved.

Specification

Specification name	Specification contents
Accuracy class	OIML R60 C6
Maximum scale interval	6,000
Rated capacity	6kg~50kg
Minimum detected scale (Vmin)	0.6g~5g
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V±0.2 mV/V
Non-linearity	0.012 %R.O.
Hysteresis	0.012 %R.O.
Repeatability	0.010 %R.O.
Creep	0.008 %R.O./30 min

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Creep recovery	0.008 %R.O./30 min
Excitation, recommended	12 V or less
Excitation, maximum	20 V
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~40 °C
Temp. range, safe	-10 °C~40 °C
Temp. effect on zero	0.014 %R.O./10 °C
Temp. effect on output	0.010 %LOAD/10 °C
Class of protection	IP64 or equivalent
Material of element	Alluminium 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"> • Size of loading plate is 300 mm x 300 mm at maximum. • The center of loading plate and the center of load cell should be the same position • Error is within 0.02 %R.O. applied with 1/2 of rated capacity at the position of 75 mm of eccentricity.

Table of P/N

Parts No.	Rated capacity [kg]	Weight(Approx.) [g]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection	3D CAD files [STEP]
C2G1-6K-A-C6	6	200	220	0.62	IP64 or equivalent	C2G1-6K-A-C6.STEP
C2G1-10K-A-C6	10	200	295	0.53	IP64 or equivalent	C2G1-10K-A-C6.STEP
C2G1-12K-A-C6	12	200	323	0.53	IP64 or equivalent	C2G1-12K-A-C6.STEP
C2G1-15K-A-C6	15	200	360	0.53	IP64 or equivalent	C2G1-15K-A-C6.STEP
C2G1-20K-A-C6	20	200	373	0.65	IP64 or equivalent	C2G1-20K-A-C6.STEP
C2G1-25K-A-C6	25	200	417	0.65	IP64 or equivalent	C2G1-25K-A-C6.STEP
C2G1-30K-A-C6	30	200	455	0.65	IP64 or equivalent	C2G1-30K-A-C6.STEP
C2G1-35K-A-C6	35	200	493	0.65	IP64 or equivalent	C2G1-35K-A-C6.STEP

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A-C6	35	200	493	0.65	equivalent	C6.STEP
C2G1-50K-A-C6	50	200	540	0.67	IP64 or equivalent	C2G1-50K-A-C6.STEP

Parts No.	CAD files[DXF]
C2G1-6K-A-C6	c2g1-a.dxf
C2G1-10K-A-C6	c2g1-a.dxf
C2G1-12K-A-C6	c2g1-a.dxf
C2G1-15K-A-C6	c2g1-a.dxf
C2G1-20K-A-C6	c2g1-a.dxf
C2G1-25K-A-C6	c2g1-a.dxf
C2G1-30K-A-C6	c2g1-a.dxf
C2G1-35K-A-C6	c2g1-a.dxf
C2G1-50K-A-C6	c2g1-a.dxf