

For commercial scale C2D1- * General standard

2023/03/22

Features




- High capacity and applicable for commercial scale.
- Because the output voltage is adjusted, it is available in both single point / multipoint.
- Approved OIML R60 Class C4.

Specification

Specification name	Specification contents
OIML accuracy class	OIML R60 C4
Maximum scale interval	4,000
Rated capacity	100kg~800kg
Model No. (Capacity)	10g~80g
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V (+0.004, -0)mV/V
Non-linearity	0.018 %R.O.
Hysteresis	0.018 %R.O.
Repeatability	0.010 %R.O.
Creep	0.012 %R.O./30 min
Creep recovery	0.012 %R.O./30 min

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Excitation, recommended	12 V or less
Excitation, maximum	16 V
Zero balance	±0.1 mV/V
Input resistance	380 Ω~460 Ω
Output resistance	347 Ω~353 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	-20 °C~70 °C
Temp. effect on zero	0.014 %R.O./10 °C
Temp. effect on output	0.010 %LOAD/10 °C
Class of protection	IP65 or equivalent
Material of element	Aluminium alloy
Paint	Painted with epoxy resin (Black)
Durability	1,000,000 times with rated load applied.
Effect of eccentric load	<ul style="list-style-type: none"> · The size of loading plate : 450 mm x 650 mm at maximum. · The center of loading plate and also 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 200 mm of eccentricity.

Table of P/N

Parts No.	Rated capacity [kg]	Weight(Approx.) [kg]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection	3D CAD files [STEP]
C2D1-100K	100	1.9	450	0.13	IP65 or equivalent	C2D1-100K.STEP
C2D1-120K	120	1.9	450	0.13	IP65 or equivalent	C2D1-120K.STEP
C2D1-300K	300	1.9	570	0.24	IP65 or equivalent	C2D1-300K.STEP
C2D1-450K	450	1.9	620	0.40	IP65 or equivalent	C2D1-450K.STEP
C2D1-600K	600	3.45	450	0.43	IP65 or equivalent	C2D1-600K.STEP
C2D1-800K	800	3.5	500	0.46	IP65 or equivalent	C2D1-800K.STEP

Parts No.	CAD files[DXF]
C2D1-100K	c2d1_100k~450k.dxf

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C2D1-120K	c2d1_100k~450k.dxf
C2D1-300K	c2d1_100k~450k.dxf
C2D1-450K	c2d1_100k~450k.dxf
C2D1-600K	c2d1_600k~800k.dxf
C2D1-800K	c2d1_600k~800k.dxf