

For commercial scale CB004S- * -C3 OIML standard

2023/03/22

Features

OIML C3



- Mid. capacity.
- OIML R60 C3 certified.
- All stainless steel structure.

Specification

Specification name	Specification contents
Accuracy class	OIML R60 C3
Maximum scale interval	3,000
Ultimate overload	10kg~100kg
Rated capacity	1g~10g
Minimum detected scale (Vmin)	150 %R.C.
Safe overload	200 %R.C.
Ultimate overload	2 mV/V±0.2 mV/V
Rated output	0.023 %R.O.
Non-linearity	0.023 %R.O.
Hysteresis	0.010 %R.O.
Repeatability	0.016 %R.O./30 min

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Creep	0.016 %R.O./30 min
Creep recovery	12 V or less
Excitation, recommended	20 V
Excitation, maximum	±0.1 mV/V
Zero balance	400 Ω ~ 450 Ω
Input resistance	345 Ω ~ 350 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	0.012 %LOAD/10 °C
Class of protection	IP67 or equivalent
Material of element	Stainless steel
Durability	1,000,000 times with rated load applied.
Effect of eccentric load	<ul style="list-style-type: none"> · Size of loading plate is 400 mm x 400 mm at maximum. · The center of loading plate and the center of load cell should be the same position · Error is within 0.01 %R.O. applied with 1/2 of rated capacity at the position of 100 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]
CB004S-10K-C3	10	0.8	115	0.5	IP67 or equivalent	CB004S-10K-C3.STEP
CB004S-15K-C3	15	0.8	140	0.5	IP67 or equivalent	CB004S-15K-C3.STEP
CB004S-20K-C3	20	0.8	160	0.5	IP67 or equivalent	CB004S-20K-C3.STEP
CB004S-25K-C3	25	0.8	190	0.5	IP67 or equivalent	CB004S-25K-C3.STEP
CB004S-30K-C3	30	0.8	215	0.5	IP67 or equivalent	CB004S-30K-C3.STEP
CB004S-35K-C3	35	0.8	230	0.5	IP67 or equivalent	CB004S-35K-C3.STEP
CB004S-45K-C3	45	0.8	265	0.5	IP67 or equivalent	CB004S-45K-C3.STEP
CB004S-60K-C3	60	0.8	300	0.5	IP67 or equivalent	CB004S-60K-C3.STEP

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CB004S-100K-C3	100	0.8	380	0.5	IP67 or equivalent	CB004S-100K-C3.STEP
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Parts No.	CAD files[DXF]
CB004S-10K-C3	cb004s.dxf
CB004S-15K-C3	cb004s.dxf
CB004S-20K-C3	cb004s.dxf
CB004S-25K-C3	cb004s.dxf
CB004S-30K-C3	cb004s.dxf
CB004S-35K-C3	cb004s.dxf
CB004S-45K-C3	cb004s.dxf
CB004S-60K-C3	cb004s.dxf
CB004S-100K-C3	cb004s.dxf