

Middle capacity for commercial scale CB004-*

General standard

2023/03/22

Features



- Mid. capacity.
- Accurate and reliable model.

Specification

Specification name	Specification contents
Rated capacity	98.07 N{10 kgf}~980.7 N{100 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
Zero balance	±0.1 mV/V

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Input resistance	375 Ω ~ 425 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	Alluminium alloy
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 [N]	Rated capacity [kgf]	Weight(Approx.) [g]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection
CB004-10K	98.07	10	350	160	0.55	IP64 or equivalent
CB004-15K	147.1	15	350	200	0.55	IP64 or equivalent
CB004-20K	196.1	20	350	230	0.55	IP64 or equivalent
CB004-25K	245.2	25	350	250	0.55	IP64 or equivalent
CB004-30K	294.2	30	350	270	0.55	IP64 or equivalent
CB004-35K	343.2	35	350	300	0.55	IP64 or equivalent
CB004-45K	441.3	45	350	330	0.55	IP64 or equivalent
CB004-60K	588.4	60	350	380	0.55	IP64 or equivalent
CB004-100K	980.7	100	350	480	0.55	IP64 or equivalent

Parts No.	3D CAD files [STEP]	CAD files [DXF]
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CB004-10K	CB004-10K.STEP	cb004.dxf
CB004-15K	CB004-15K.STEP	cb004.dxf
CB004-20K	CB004-20K.STEP	cb004.dxf
CB004-25K	CB004-25K.STEP	cb004.dxf
CB004-30K	CB004-30K.STEP	cb004.dxf
CB004-35K	CB004-35K.STEP	cb004.dxf
CB004-45K	CB004-45K.STEP	cb004.dxf
CB004-60K	CB004-60K.STEP	cb004.dxf
CB004-100K	CB004-100K.STEP	cb004.dxf