

Middle capacity for commercial scale (General spec) CB004S- * General standard

2023/03/22

Features



- Mid. capacity.
- All stainless steel structure.

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	0.025 %R.O.
Hysteresis	0.025 %R.O.
Repeatability	0.02 %R.O.
Creep	0.02 %R.O./30 min
Creep recovery	0.02 %R.O./30 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	375 Ω ~ 425 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	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 [N]	Rated capacity [kgf]	Weight(Approx.) [kg]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection
CB004S-10K	98.07	10	0.8	115	0.5	IP67 or equivalent
CB004S-15K	147.1	15	0.8	140	0.5	IP67 or equivalent
CB004S-20K	196.1	20	0.8	160	0.5	IP67 or equivalent
CB004S-25K	245.2	25	0.8	190	0.5	IP67 or equivalent
CB004S-30K	294.2	30	0.8	215	0.5	IP67 or equivalent
CB004S-35K	343.2	35	0.8	230	0.5	IP67 or equivalent
CB004S-45K	441.3	45	0.8	265	0.5	IP67 or equivalent
CB004S-60K	588.4	60	0.8	300	0.5	IP67 or equivalent
CB004S-100K	980.7	100	0.8	380	0.5	IP67 or equivalent

Parts No.	3D CAD files [STEP]	CAD files[DXF]
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CB004S-10K	CB004S-10K.STEP	cb004s.dxf
CB004S-15K	CB004S-15K.STEP	cb004s.dxf
CB004S-20K	CB004S-20K.STEP	cb004s.dxf
CB004S-25K	CB004S-25K.STEP	cb004s.dxf
CB004S-30K	CB004S-30K.STEP	cb004s.dxf
CB004S-35K	CB004S-35K.STEP	cb004s.dxf
CB004S-45K	CB004S-45K.STEP	cb004s.dxf
CB004S-60K	CB004S-60K.STEP	cb004s.dxf
CB004S-100K	CB004S-100K.STEP	cb004s.dxf