

## Low capacity for commercial scale

2023/03/22

## Features



- Low capacity.
- Compact size.

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## Specification

Specification name	Specification contents
Rated capacity	5.884 N{600 gf}~29.42 N{3 kgf}
Safe overload	300 %R.C.
Ultimate overload	400 %R.C.
Rated output	1 mV/V±0.1 mV/V
Non-linearity	0.02 %R.O.
Hysteresis	0.02 %R.O.
Repeatability	0.02 %R.O.
Creep	0.02 %R.O./20 min
Creep recovery	0.02 %R.O./20 min
Excitation, recommended	10 Vor less
Excitation, maximum	15 V
Zero balance	±0.05 mV/V

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Input resistance	420 Ω
Output resistance	350 Ω±5 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
Temp. range, safe	-10 °C~50 °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	Aluminium alloy
Durability	1,000,000 times with rated load applied.
Effect of eccentric load	<ul style="list-style-type: none"> <li>· Size of loading plate is 200 mm x 200 mm at maximum.</li> <li>· The center of loading plate and the center of load cell should be the same position</li> <li>· Error is within 0.02 %R.O. applied with 1/2 of rated capacity at the position of 50 mm of eccentricity.</li> </ul>

## Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [gf]	Rated capacity [kgf]	Weight(Approx.) [g]	Natural frequency [Hz]	Rated displacement [mm]
CB17-600G-11	5.884	600		40	200	0.17
CB17-1K-11	9.807		1	40	290	0.17
CB17-2K-11	19.61		2	40	410	0.17
CB17-3K-11	29.42		3	40	500	0.17

Parts No.	Class of protection	3D CAD files [STEP]	CAD files[DXF]
CB17-600G-11	IP64 or equivalent	<a href="#">CB17-600G-11.STEP</a>	<a href="#">cb17.dxf</a>
CB17-1K-11	IP64 or equivalent	<a href="#">CB17-1K-11.STEP</a>	<a href="#">cb17.dxf</a>
CB17-2K-11	IP64 or equivalent	<a href="#">CB17-2K-11.STEP</a>	<a href="#">cb17.dxf</a>
CB17-3K-11	IP64 or equivalent	<a href="#">CB17-3K-11.STEP</a>	<a href="#">cb17.dxf</a>