

## For commercial scale CB14- \* -C6 OIML standard

2023/06/02

## Features

OIML C6



- High capacity.
- Accurate and reliable model with OIML R60 C6 certified.

## Specification

Specification name	Specification contents
Accuracy class	OIML R60 C6
Maximum scale interval	6,000
Rated capacity	100kg~500kg
Minimum detected scale (Vmin)	10g~50g
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2.2 mV/V±0.11 mV/V
Non-linearity	0.012 %R.O.
Hysteresis	0.012 %R.O.
Repeatability	0.010 %R.O.
Creep	0.008 %R.O./30 min
Creep recovery	0.008 %R.O./30 min
Excitation. recommended	12 V or less

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Excitation, maximum	20 V
Zero balance	±0.11 mV/V
Input resistance	395 Ω ~ 415 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~40 °C
Temp. range, safe	- 10 °C~40 °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	Alluminium 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 450 mm x 600 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 150 mm of eccentricity.</li> </ul>

## Table of P/N

Parts No.	Rated capacity [N]	Rated capacity [kN]	Weight(Approx. ) [kg]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection
CB14-100K-C6	980.7		1.3	280	0.5	IP64 or equivalent
CB14-150K-C6		1.471	1.3	280	0.5	IP64 or equivalent
CB14-250K-C6		2.452	1.3	310	0.5	IP64 or equivalent
CB14-300K-C6		2.942	1.3	330	0.5	IP64 or equivalent
CB14-500K-C6		4.903	1.3	340	0.5	IP64 or equivalent

Parts No.	3D CAD files [STEP]	CAD files[DXF]
CB14-100K-C6	<a href="#">CB14-100K-C6.STEP</a>	<a href="#">cb14.dxf</a>
CB14-150K-C6	<a href="#">CB14-150K-C6.STEP</a>	<a href="#">cb14.dxf</a>
CB14-250K-C6	<a href="#">CB14-250K-C6.STEP</a>	<a href="#">cb14.dxf</a>
CB14-300K-C6	<a href="#">CB14-300K-C6.STEP</a>	<a href="#">cb14.dxf</a>
CB14-500K-C6	<a href="#">CB14-500K-C6.STEP</a>	<a href="#">cb14.dxf</a>

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