

Low capacity for commercial scale BCL- * -C3 OIML standard

2023/03/22

Features



- Low capacity.
- Loading plate can be greater taken.
- OIML R60/C3 certified.

Specification

Specification name	Specification contents
OIML accuracy class	OIML R60 C3
Maximum scale interval	3,000
Rated capacity	300g~4.5kg
Minimum detected scale (Vmin)	0.05g~0.75g
Safe overload	200 %R.C.
Ultimate overload	300 %R.C.
Rated output	0.9 mV/V±0.1 mV/V
Non-linearity	0.015 %R.O.
Hysteresis	0.015 %R.O.
Repeatability	0.010 %R.O.
Creep	0.016 %R.O./30 min

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Creep recovery	0.016 %R.O./30 min
Excitation, recommended	10 V or less
Excitation, maximum	15 V
Zero balance	±0.04 mV/V
Input resistance	400 Ω~450 Ω
Output resistance	345 Ω~355 Ω
Insulation resistance	2,000 MΩ 以上(DC50 V)
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	IP40 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"> ■ BCL-300GM, 600GM <ul style="list-style-type: none"> • Size of loading plate is 200 mm x 200 mm at maximum. • The center of loading plate and the center of load cell should be the same position • Error is within 0.02 %R.O. applied with 1/2 of rated capacity at the position of 50 mm of eccentricity. ■ BCL-1.2K, 1.5K, 3K, 4.5K <ul style="list-style-type: none"> • Size of loading plate is 300 mm x 300 mm at maximum. • The center of loading plate and the center of load cell should be the same position • Error is within 0.02 %R.O. applied with 1/2 of rated capacity at the position of 75 mm of eccentricity.

Table of P/N

Parts No.	Rated capacity [g]	Rated capacity [kg]	Weight(Approx.) [g]	Natural frequency [Hz]	Rated displacement [mm]	Class of protection
BCL-300GM-C3	300		70	80	0.25	IP40 or equivalent
BCL-600GM-C3	600		70	100	0.25	IP40 or equivalent
BCL-1.2K-C3		1.2	70	200	0.25	IP40 or equivalent
BCL-1.5K-C3		1.5	70	210	0.25	IP40 or equivalent
BCL-3K-C3		3	70	400	0.25	IP40 or equivalent
BCL-4.5K-C3		4.5	70	450	0.25	IP40 or equivalent

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Parts No.	3D CAD files [STEP]	CAD files[DXF]
BCL-300GM-C3	BCL-300GM-C3.STEP	bcl_a.dxf
BCL-600GM-C3	BCL-600GM-C3.STEP	bcl_a.dxf
BCL-1.2K-C3	BCL-1.2K-C3.STEP	bcl_a.dxf
BCL-1.5K-C3	BCL-1.5K-C3.STEP	bcl_a.dxf
BCL-3K-C3	BCL-3K-C3.STEP	bcl_a.dxf
BCL-4.5K-C3	BCL-4.5K-C3.STEP	bcl_a.dxf