

Double convex type load cell CC002-~~※~~ series

2024/02/28

Features



Load cell for truck scale with stainless steel construction.
Approved OIML R60 Class C6.

Specification

Specification name	Specification contents
OIML accuracy class	OIML R60 C6
Maximum scale interval	6,000
Rated capacity	10t~30t
Model No. (Capacity)	1kg~3kg
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V±0.002 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
Zero return	0.008 %R.O./30 min
Excitation, recommended	12 VDC or less
Excitation, maximum	20 VDC
Zero balance	±0.02 mV/V
Input resistance	770 Ω~830 Ω
Output resistance	695 Ω~705 Ω
Insulation resistance	5,000 MΩ or more (DC50 V)(between bridge and main body)

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Temp. range, compensated	- 10 °C~40 °C
Temp. range, safe	- 20 °C~70 °C
Temp. effect on zero	0.014 %R.O./10 °C
Temp. effect on output	0.010 %LOAD/10 °C
Class of protection	IP68 or equivalent
Material of element	Alloy steel
Material of Cover	Stainless steel (lost wax)
Durability	1,000,000 times with rated load applied.
Horizontal maximum movable distance	0 mm,However, please hit the stopper of the track scale within 5 mm.Recommendation 2 mm ~ 3 mm
Accessories	Guide ring, Inspection data sheet

Table of P/N

Parts No.	Rated capacity [t]	Natural frequency [Hz]	Rated displacement [mm]	Weight(Approx.) [kg]	Cable	CAD files[DXF]
CC002-10T	10	3900	0.2	4.5	φ7.0, 6 -cores shielded 12 m cable directly attached, and cable end is separated.	cc002.dxf
CC002-20T	20	5500	0.2	4.5	φ7.0, 6 -cores shielded 12 m cable directly attached, and cable end is separated.	cc002.dxf
CC002-25T	25	6000	0.2	4.5	φ7.0, 6 -cores shielded 12 m cable directly attached, and cable end is separated.	cc002.dxf
CC002-30T	30	6700	0.2	4.5	φ7.0, 6 -cores shielded 12 m cable directly attached, and cable end is separated.	cc002.dxf

Parts No.	Specification sheet	Instruction Manual
CC002-10T	No.KT52871-2E	ENKT60246-1_C2T1+CC002.pdf
CC002-20T	No.KT52871-2E	ENKT60246-1_C2T1+CC002.pdf
CC002-25T	No.KT52871-2E	ENKT60246-1_C2T1+CC002.pdf
CC002-30T	No.KT52871-2E	ENKT60246-1_C2T1+CC002.pdf

Options

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<Mounting attachment>

[AIC series AIC2](#)