

CB14 series



Feature

High capacity. OIML certificate

Table of P/N

Parts No.	Rated Capacity
CB14-100K-21	980.7 N { 100 kgf }
CB14-150K-21	1.471 kN { 150 kgf }
CB14-250K-21	2.452 kN { 250 kgf }
CB14-300K-21	2.942 kN { 300 kgf }

Specifications

Rated Capacity	980.7 N { 100 kgf } to 2.942 kN { 300 kgf }
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2.2 mV/V \pm 0.11 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	12 V or less
Excitation, maximum	20 V
Zero balance	\pm 0.11 mV/V
Input resistance	405 ohm \pm 10 ohm
Output resistance	350 ohm \pm 5 ohm
Insulation resistance	2 000 M-ohm or more(DC50 V) (between bridge and main body)
Temp. range compensated	-10 °C to 50 °C
Temp. range safe	-10 °C to 70 °C
Temp. effect on zero balance	0.05 %R.O./10 °C
Temp. effect on output	0.02 %LOAD/10 °C
Cable	ϕ 4.7, 4-cores shielded 148.5 cm cable directly attached, and cable end is separated.
Class of protection	IP40
Material of the element	Aluminium alloy
Durability	1 000 000 times with rated load applied.
	<ul style="list-style-type: none"> - Size of loading plate is 450 mm x 600 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 15 mm of eccentricity.