

C2B1 series



Feature

High precision, hermetically sealed all stainless steel load cell

Options

Bearing plate, Rocker Pin, [Mounting attachment with slide stop mechanism \(Rocker pin method\)](#)

Table of P/N

Parts No.	Rated Capacity
C2B1-250K-NS	2.452 kN {250 kgf}
C2B1-500K-NS	4.903 kN {500 kgf}
C2B1-1T-NS	9.807 kN {1 tf}
C2B1-2T-NS	19.61 kN {2 tf}
C2B1-3T-NS	29.42 kN {3 tf}
C2B1-4T-NS	39.23 kN {4 tf}

Specifications

Rated Capacity	2.452 kN {250 kgf} to 39.23 kN {4 tf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V \pm 0.002 mV/V (C2B1-250K-NS : 1 mV/V \pm 0.001 mV/V)
Non-linearity	0.025 %R.O.
Hysteresis	0.025 %R.O.
Repeatability	0.025 %R.O.
Creep	0.03 %R.O./20 min
Creep回復	0.03 %R.O./20 min
Excitation, recommended	12 V or less
Excitation, maximum	20 V
Zero balance	\pm 0.02 mV/V
Input resistance	350 ohm \pm 5 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 70 °C
Temp. range safe	-20 °C to 80 °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 6 m cable directly attached Y-crimp type terminal lugs are attached at cable end.
Class of protection	IP67
Material of the element	Stainless steel
Durability	1 000 000 times with rated load applied.