

CBE1 series



Feature

Beam type load cell with all stainless steel construction.

Table of P/N

Parts No.	Rated Capacity
CBE1-5K	49.03 N { 5 kgf }
CBE1-10K	98.07 N { 10 kgf }
CBE1-20K	196.1 N { 20 kgf }
CBE1-50K	490.3 N { 50 kgf }
CBE1-100K	980.7 N { 100 kgf }
CBE1-200K	1.961 kN { 200 kgf }

Specifications

Rated Capacity	49.03 N { 5 kgf } to 1.961 kN { 200 kgf }
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V \pm 0.003 mV/V
Non-linearity	0.05 %R.O.
Hysteresis	0.05 %R.O.
Repeatability	0.03 %R.O.
Excitation, recommended	12 V or less
Excitation, maximum	20 V
Zero balance	\pm 0.02 mV/V
Input resistance	400 ohm \pm 50 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 60 °C
Temp. range safe	-10 °C to 80 °C
Temp. effect on zero balance	0.03 %R.O./10 °C
Temp. effect on output	0.03 %LOAD/10 °C
Cable	ϕ 6.3, 4-cores shielded 5 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.