

CMP1 series



Specifications

Rated Capacity	2.452 kN {250 kgf} ~ 196.1 kN {20 tf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	2 mV/V±0.005 mV/V (CMP1-250K : 1 mV/V±0.005 mV/V)
Non-linearity	0.05 %R.O.
Hysteresis	0.05 %R.O.
Repeatability	0.05 %R.O.
Excitation, recommended	12 V or less
Excitation, Maximum	18 V
Zero Balance	±0.02 mV/V
Input resistance	350 ohm±3.5 ohm
Output resistance	350 ohm±5 ohm
Insulation resistance	2 000 Mohm 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 (CMP1-250K : 0.10 %R.O./10 °C)
Temp. effect on output	0.10 %LOAD/10 °C
Cable	φ7, 4-cores shielded 10 m cable directly attached, Y-crimp type terminal lugs are attached at cable end.
Class of protection	IP68
Element material	Stainless steel
Durability	1 000 000 times with rated load applied

Feature

Precise low-profile load cell for compression service. All stainless steel construction

Options

Expansion plate, Mounting plate, [Mounting attachment with slide stop mechanism\(Flexible lock method\)](#), [Steel ball method](#)

Table of P/N

Parts No.	Rated capacity
CMP1-250K	2.452 kN {250 kgf}
CMP1-500K	4.903 kN {500 kgf}
CMP1-1T	9.807 kN {1 tf}
CMP1-2T	19.61 kN {2 tf}
CMP1-5T	49.03 kN {5 tf}
CMP1-10T	98.07 kN {10 tf}
CMP1-20T	196.1 kN {20 tf}