

CCP1(A) series



Feature

High accuracy canister type load cell. Suitable for Tank or Hopper weighing systems.
High rated output 3 mV/V

Options

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

Table of P/N

Parts No.	Rated Capacity
CCP1-20K	196.1 N {20 kgf}
CCP1-50K	490.3 N {50 kgf}
CCP1-100K	980.7 N {100 kgf}
CCP1A-200K	1.961 kN {200 kgf}
CCP1-300K	2.942 kN {300 kgf}
CCP1-500K	4.903 kN {500 kgf}
CCP1-1T	9.807 kN {1 tf}
CCP1-2T	19.61 kN {2 tf}
CCP1-3T	29.42 kN {3 tf}
CCP1-5T	49.03 kN {5 tf}
CCP1-10T	98.07 kN {10 tf}
CCP1-20T	196.1 kN {20 tf}
CCP1-50T	490.3 kN {50 tf}
CCP1-100T	980.7 kN {100 tf}

Specifications

Rated Capacity	196.1 N {20 kgf} to 980.7 kN {100 tf}
Safe overload	150 %R.C.
Ultimate overload	200 %R.C.
Rated output	3 mV/V \pm 0.03 mV/V
Non-linearity	0.05 %R.O.
Hysteresis	0.02 %R.O.(CCP1-20K to 100K : 0.05 %R.O.)
Repeatability	0.02 %R.O..(CCP1-20K to 100K : 0.05 %R.O.)
Excitation, recommended	12 V or less
Excitation, maximum	20 V
Zero balance	\pm 0.03 mV/V
Input resistance	350 ohm \pm 3.5 ohm
Output resistance	350 ohm \pm 5 ohm
Insulation resistance	5 000 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 100 °C
Temp. effect on zero balance	0.03 %R.O./10 °C
Temp. effect on output	0.03 %LOAD/10 °C
Cable	ϕ 10, 4-cores shielded 3 m cable directly attached. Y-crimp type terminal lugs are attached at cable end.
Class of protection	IP64
Material of the element	Alloy steel
Paint	Painted by epoxy resin (Munsell 6GY3.5/2 half?polished resemblance color)
Durability	1 000 000 times with rated load applied.