

# Aluminum High Capacity Single-Point Load Cell

# 1250

- Capacities : 50kgf...1500kgf
- Aluminum construction
- IP65 protection



## Model

Rated Capacity

1250 -   

50K	50kgf (490N)
75K	75kgf (765N)
100K	100kgf (980N)
150K	150kgf (1.47kN)
200K	200kgf (1.96kN)
250K	250kgf (2.45kN)
300K	300kgf (2.94kN)
500K	500kgf (4.9kN)
635K	635kgf (6.23kN)
750K	750kgf (7.35kN)
1T	1000kgf (9.8kN)
1.5T	1500kgf (14.7kN)

## Cable color code

Item	Color
Excitation +	Green
Excitation -	Black
Signal output +	Red
Signal output -	White
Sense +	Blue
Sense -	Brown
Shield	Shield

## Specifications

Rated output (R.O.)	2mV/V
Rated output tolerance	±10%
Zero balance	±10%R.O.
Zero return, 30 min	±0.05%LOAD
Total error	±0.03%R.O.
Temperature effect on zero	±0.01%R.O./°C
Temperature effect on output	±0.003%LOAD/°C
Eccentric loading error	±0.005%LOAD/cm
Temperature range, compensated	-10°C~+40°C
Temperature range, safe	-20°C~+70°C
Maximum safe overload	150%R.C.
Ultimate central overload	300%R.C.
Excitation, recommended	10V
Excitation, maximum	15V
Input impedance	415Ω±15Ω
Output impedance	350Ω±3Ω
Insulation resistance	>2000MΩ
Cable type	φ5.6, 6-wire, braided, Polyurethane Floating screen, AWG26
Cable length	3m
Construction	Plated (anodized) aluminum
Environmental protection	IP65 (IP67 : option available)
Platform size (max)	800×800mm : [50K...500K] 600×600mm : [635K...1.5T]
Recommended torque	16N·m : [50K...1T] 32N·m : [1.5T]
Weight (approx.)	2.4kg
Nominal (rated) deflection	<0.6mm

## Outline dimensions (mm)

