

## Aluminum Medium Capacity Single-Point Load Cell

# 1242

- Capacities : 50kgf...250kgf
- Aluminum construction
- IP66 protection



## Model

Rated Capacity	
1242 -	<input type="text"/>
50K	50kgf (490N)
100K	100kgf (980N)
150K	150kgf (1.47kN)
200K	200kgf (1.96kN)
250K	250kgf (2.45kN)

## Specifications

Rated output (R.O.)	2mV/V
Rated output tolerance	±10%
Zero balance	±10%R.O.
Zero return, 30 min	±0.025%LOAD
Total error	±0.02%R.O.
Temperature effect on zero	±0.006%R.O./°C
Temperature effect on output	±0.0014%LOAD/°C
Eccentric loading error	±0.0074%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±20Ω
Output impedance	350Ω±3Ω
Insulation resistance	>2000MΩ
Cable type	φ5.6, 6-wire, PVC Single floating screen, AWG26
Cable length	1.5m
Construction	Plated (anodize) aluminum
Environmental protection	IP66
Platform size (max)	400mm×400mm
Recommended torque	10N·m
Weight (approx.)	600g
Nominal (rated) deflection	<0.4mm

## Cable color code

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

## Outline dimensions (mm)

