

# Stainless Steel Single-Point Load Cell

# 1140

- Capacities : 15kgf...150kgf
- Stainless steel construction
- IP65 protection  
IP67 available on request



## Model

Rated Capacity

1140-

15K	15kgf (147N)
20K	20kgf (196N)
30K	30kgf (294N)
50K	50kgf (490N)
75K	75kgf (735N)
100K	100kgf (980N)
150K	150kgf (1.47kN)

## 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	±0.017%LOAD
Total error	±0.02%R.O.
Temperature effect on zero	±0.004%R.O./°C
Temperature effect on output	±0.001%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	385Ω±15Ω
Output impedance	350Ω±5Ω
Insulation resistance	>2000MΩ
Cable type	φ5.6, 6-wire, PVC Single floating screen, AWG26
Cable length	1m
Construction	Stainless steel
Environmental protection	IP65 (IP67 : Available on request)
Platform size (max)	400mm×400mm
Recommended torque	7N·m : [15K...30K] 10N·m : [50K...150K]
Weight (approx.)	850g
Nominal (rated) deflection	<0.4mm

## Outline dimensions (mm)

