

Shear Beam Load Cell

3410

- Capacities : 250kgf...2tf
- Steel construction
- IP67 protection



Model

Rated Capacity

3410-

250K	250kgf (2.45kN)
500K	500kgf (4.9kN)
1T	1000kgf (9.8kN)
2T	2000kgf (19.6kN)

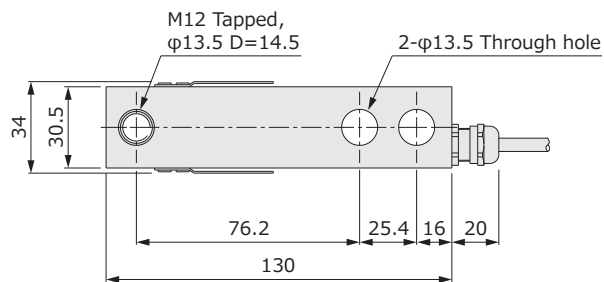
Specifications

Rated output (R.O.)	2mV/V
Rated output tolerance	±1%
Zero balance	±2%R.O.
Zero return, 30 min	±0.05%LOAD
Total error	±0.05%R.O.
Temperature effect on zero	±0.007%R.O./°C
Temperature effect on output	±0.004%LOAD/°C
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±10Ω
Output impedance	351Ω±5Ω
Insulation resistance	>2000MΩ
Cable type	φ5.6, 6-wire, braided, polyurethane, floating screen, AWG26
Cable length	5m
Construction	Nickel-plated alloy steel
Environmental protection	IP67
Recommended torque	136N·m
Weight (approx.)	0.9kg : [250K...1T] 1.1kg : [2T]
Nominal (rated) deflection	<0.4mm

Cable color code

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

Outline dimensions (mm)



Dimensions

Model	A
3410-250K...1T	30.5
3410-2T	36