

Tension/Compression load cell

TCLB-M

- Capacities : 5kN, 10kN
- Suitable for measuring tension and compression in applications where the available space is limited

**Model**

Rated Capacity	
TCLB -	-M
500L	5kN (510kgf)
1T	10kN (1.02tf)

Specifications

Rated output (R.O.)	0.75mV/V : [5kN] 1.5mV/V : [10kN]
Rated output tolerance	±10%
Zero balance	±10%R.O.
Nonlinearity	±0.5%R.O.
Hysteresis	±0.5%R.O.
Repeatability	±0.5%R.O.
Temperature effect on zero	±0.05%R.O./°C
Temperature effect on output	±0.05%LOAD/°C
Temperature range, compensated	-10°C~+60°C
Temperature range, safe	-20°C~+70°C
Maximum safe overload	150%R.C.
Excitation, recommended	5V
Excitation, maximum	10V
Input impedance (approx.)	350Ω
Output impedance (approx.)	350Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	φ3, 4-wire, PVC, braid shield
Cable length	3m
Construction	Stainless steel

Cable color code

Item	Color
Excitation +	Red
Excitation -	White
Signal output +	Green
Signal output -	Black
Shield	Yellow

Mechanical characteristics

Model	Rated deflection	Natural Frequencies (Approx.)	Weight (Approx.)
TCLB-500L-M	<0.03mm	16kHz	25g
TCLB-1T-M			

Outline dimensions (mm)