

Tension/Compression load cell

TCLBC

- Capacities : 5N...1kN
- Easy install
- Wide capacity range



Model

Rated Capacity
TCLBC -

0.5L	5N (510gf)
1L	10N (1.02kgf)
5L	50N (5.1kgf)
10L	100N (10.2kgf)
20L	200N (20.4kgf)
50L	500N (51kgf)
100L	1kN (102kgf)

Cable color code

Item	Color
Excitation +	A: Red
Excitation -	C: White
Signal output +	D: Green
Signal output -	B: Blue
Shield	E: Yellow

Specifications

Rated output (R.O.)	2mV/V
Rated output tolerance	±1%
Zero balance	±10%R.O.
Nonlinearity	±0.05%R.O.
Hysteresis	±0.05%R.O.
Repeatability	±0.05%R.O.
Temperature effect on zero	±0.01%R.O./°C
Temperature effect on output	±0.01%LOAD/°C
Temperature range, compensated	-10°C~+60°C
Temperature range, safe	-20°C~+70°C
Maximum safe overload	120%R.C.
Excitation, recommended	5V : [5N, 10N] 10V : [50N...1kN]
Excitation, maximum	10V : [5N, 10N] 15V : [50N...1kN]
Input impedance (approx.)	400Ω : [5N, 10N] 380Ω : [50N...1kN]
Output impedance (approx.)	350Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Accessory cable	φ5, 4-wire Length 3m with connector (PRC03-12A10-7M)
Construction	Aluminum : [5N, 10N] Steel : [50N...1kN]
Weight	250g : [5N, 10N] 650g : [50N...1kN]

Outline dimensions (mm)

