

TCLBS

- Capacities : 20N...500N
- Easy install
- High accuracy



Model

TCLBS -	Rated Capacity
2L	20N (2.04kgf)
5L	50N (5.1kgf)
10L	100N (10.2kgf)
20L	200N (20.4kgf)
50L	500N (51kgf)

Specifications

Rated output (R.O.)	1mV/V
Rated output tolerance	±20%
Zero balance	±10%R.O.
Nonlinearity	±0.1%R.O. (±0.05%R.O. : unilateral)
Hysteresis	±0.1%R.O. (±0.05%R.O. : unilateral)
Repeatability	±0.1%R.O. (±0.05%R.O. : unilateral)
Temperature effect on zero	±0.05%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	150%R.C.
Excitation, recommended	5V
Excitation, maximum	10V
Input impedance (approx.)	400Ω
Output impedance (approx.)	350Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	φ3, 4-wire, PVC, braid shield
Cable length	3m
Construction	Aluminum, with stainless cover

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.)
TCLBS-2L	<0.1mm	1.1kHz	100g
TCLBS-5L		2.3kHz	
TCLBS-10L		2.5kHz	
TCLBS-20L		2.6kHz	
TCLBS-50L		2.9kHz	

Outline dimensions (mm)

