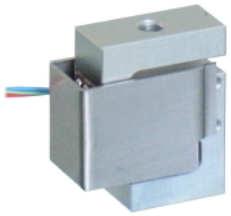
Vacuum-compatible load cell

TCLSV



- Capacities : 10N...500N
- Avairable to **vacuum** environment
- Suitable for measuring tension and compression in applications where the available space is limited

Model

Rated Capacity

TCLSV - □

10N	10N (1.02kgf)
20N	20N (2.04kgf)
50N	50N (5.10kgf)
100N	100N (10.2kgf)
200N	200N (20.4kgf)
500N	500N (51kgf)

Specifications

Rated output (R.O.)	0.7mV/V : [10N] 1mV/V : [20N...500N]
Rated output tolerance	±20%
Zero balance	±10%R.O.
Nonlinearity	±0.2%R.O.
Hysteresis	±0.2%R.O.
Repeatability	±0.1%R.O.
Temperature effect on zero	±0.05%R.O./℃
Temperature effect on output	±0.05%LOAD/℃
Temperature range, compensated	−10℃～+60℃
Temperature range, safe	−20℃～+80℃
Maximum safe overload	150%R.C.
Excitation, recommended	2.5V
Excitation, maximum	5V
Input impedance (approx.)	350Ω
Output impedance (approx.)	350Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	PTFE 4-wire, AWG32
Cable length	500mm
Construction	Aluminum : [10N...100N] Stainless steel : [200N, 500N]

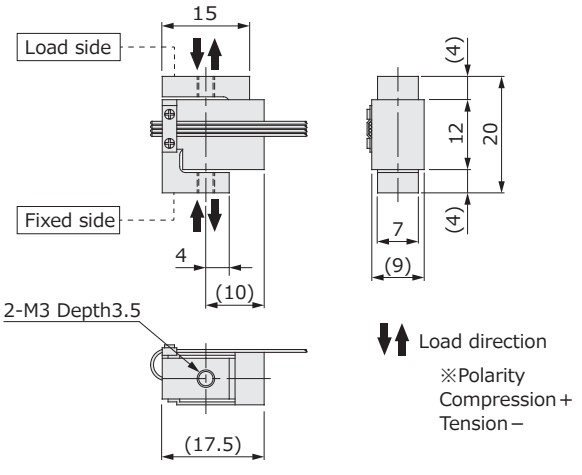
Cable color code

Item	Color
Excitation+	Red
Excitation−	White
Signal output+	Green
Signal output−	Blue

Electrical characteristics

Model	Rated deflection	Natural Frequencies (Approx.)	Weight (Approx.)
TCLSV-10N	<0.01mm	4.6kHz	3g
TCLSV-20N		5.1kHz	
TCLSV-50N		8.1kHz	
TCLSV-100N		10kHz	4g
TCLSV-200N		9.2kHz	10g
TCLSV-500N		10.7kHz	11g

Outline dimensions (mm)



JDSCM 加道供应链 Supply Chain Management&Supplier
www.scm-jdsh.com