

UST Ultra thin compression type load cell



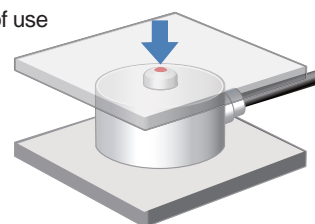
REAL SIZE

- Ultra thin load cell with a diameter of 10mm and a height of 2.3mm
- As well as assembling to new machines, convenient for retrofitting to existing machines
- Suitable for load distribution measurement with multiple units

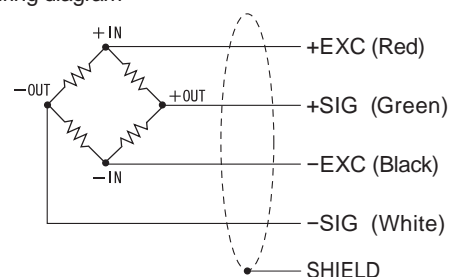
Specifications

Model	UST-50N, UST-100N, UST-200N, UST-500N
Rated capacity	50N, 100N, 200N, 500N
Rated output	Approx. 1mV/V
Safe overload	150%R.C.
Zero balance	±20%R.O.
Non-linearity	0.7% or less R.O.
Hysteresis	0.7% or less R.O.
Repeatability	0.1% or less R.O.
Compensated temperature range	0 to +60°C
Safe temperature range	-10 to +70°C
Temperature effect on zero	1%R.O./10°C or below
Temperature effect on span	1%R.O./10°C or below
Input resistance	Approx. 350Ω
Output resistance	Approx. 350Ω
Recommended excitation voltage	2.5V
Maximum excitation voltage	5V
Insulation resistance (DC50V)	1000MΩ or more
Cable	φ1.6 4-conductor color shield cable (1m) Cable end: 5 wires
Loadcell material	Stainless steel

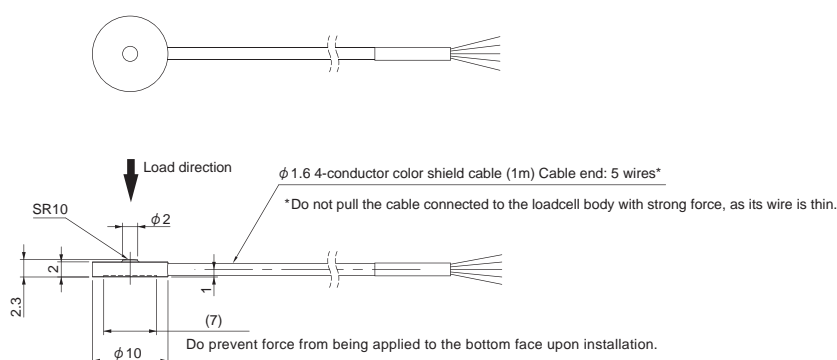
Example of use



Wiring diagram



External dimension



Unit:mm

Model	Deflection at rated	Natural frequency	Weight
UST-50N	0.003 mm	140kHz	2g
UST-100N	0.004 mm	160kHz	2g
UST-200N	0.004 mm	180kHz	2g
UST-500N	0.005 mm	180kHz	2g