

UCW/UCW2

COMPACT COMPRESSION
TYPE LOAD CELL



REAL SIZE

Diameter $\phi 6$ mm, Height 3.5mm(UCW2-10N/20N)

Diameter $\phi 7$ mm, Height 4.5mm(UCW-50N/100N/200N/500N)

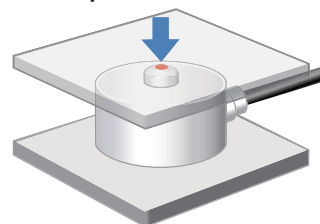
Compact type load cell

Suitable for installation in small space!

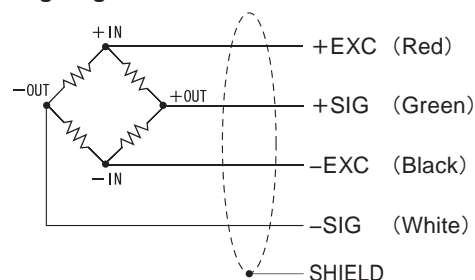
Specifications

Model	UCW2-10N, UCW2-20N	UCW-50N, UCW-100N, UCW-200N, UCW-500N	
Rated capacity	10, 20	50, 100, 200, 500	N
Rated output	Approx. 0.5	Approx. 1	mV/V
Safe overload	200		%R.O.
Zero balance	± 20	± 10	%R.O.
Non-linearity	0.3		%R.O.
Hysteresis	0.2		%R.O.
Repeatability	0.1		%R.O.
Compensated temperature range	0 to +60		°C
Safe temperature range	-10 to +70		°C
Temperature effect on zero	1	0.5	%R.O./10°C
Temperature effect on span	1	0.5	%R.O./10°C
Input resistance	Approx. 350		
Output resistance	Approx. 350		
Recommended excitation voltage	2.5		V
Maximum excitation voltage	5		V
Insulation resistance(DC50V)	1000 or more		M
Cable	$\phi 1.6$ 4 conductor color shield cable 0.5m End treatment 5 leads.		
Load cell material	Stainless steel		

Application Example

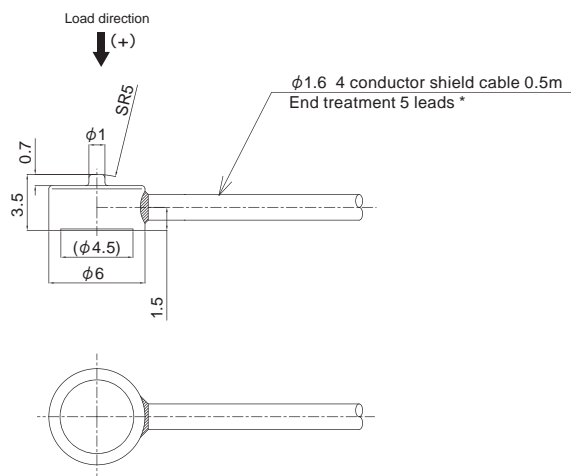


Wiring Diagram

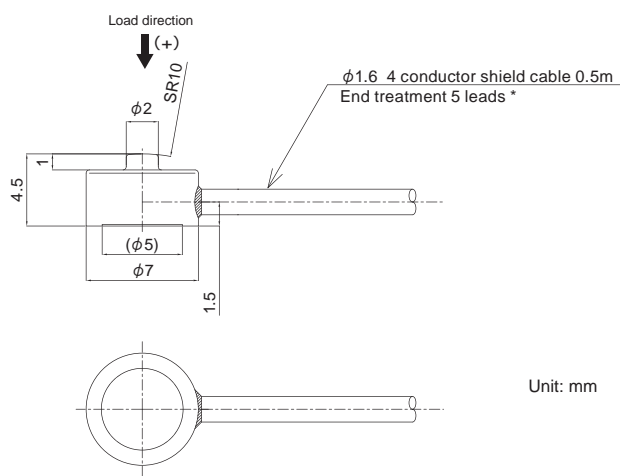


External dimension

UCW2-10N/20N



UCW-50N/100N/200N/500N



Unit: mm

* Connector can be attached to the cable according to your requests.

Model	Deflection at rated	Natural frequency	Weight
UCW2-10N	0.003mm	110kHz	1g
UCW2-20N	0.003mm	140kHz	1g
UCW-50N	0.003 mm	110kHz	2g
UCW-100N	0.004 mm	120kHz	2g
UCW-200N	0.004 mm	120kHz	2g
UCW-500N	0.005 mm	120kHz	2g