

# UCC/UCC(HL)

COMPACT HIGH-CAPACITY  
COMPRESSION TYPE  
LOAD CELL



UCC



## REAL SIZE

Rated capacity of 20 kN (2 t) for this small size!

Can measure up to 20 kN with diameter of 21 mm!

Supports high/low temperature environment from -40 to +150°C (HL)



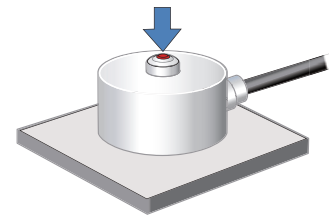
Flexible cable\*

\* Supported only for UCC-10KN and 20KN

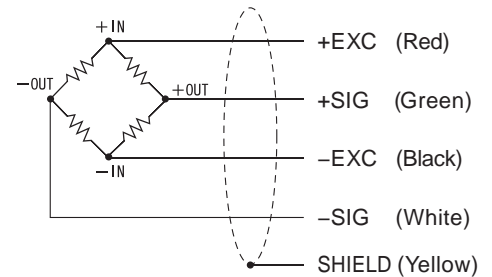
## Specifications

Model	UCC-10KN	UCC-20KN	UCC-10KN(HL)	UCC-20KN(HL)
Rated capacity	10 kN	20 kN	10 kN	20 kN
Rated output	Approx. 1 mV/V			
Safe overload	120% R.C.			
Zero balance	±10% R.O.			
Non-linearity	0.5% or less R.O.			
Hysteresis	0.5% or less R.O.			
Repeatability	0.2% or less R.O.			
Compensated temperature range	0 to +50°C		-40 to +150°C	
Safe temperature range	-10 to +60°C		-40 to +150°C	
Temperature effect on zero	0.5% R.O./10°C or below			
Temperature effect on span	0.5% R.O./10°C or below			
Input resistance	Approx. 350			
Output resistance	Approx. 350			
Recommended excitation voltage	2.5 V			
Maximum excitation voltage	5 V			
Insulation resistance (DC 50 V)	1000 M or more			
Cable	φ2 4-conductor flexible cable 2 m Cable end: 5 wires		φ2 4-conductor fluorine resin cable 3 m Cable end: 5 wires	
Loadcell material	Stainless steel			
RoHS directives	2011/65/EU (EU)2015/863			

## Application example

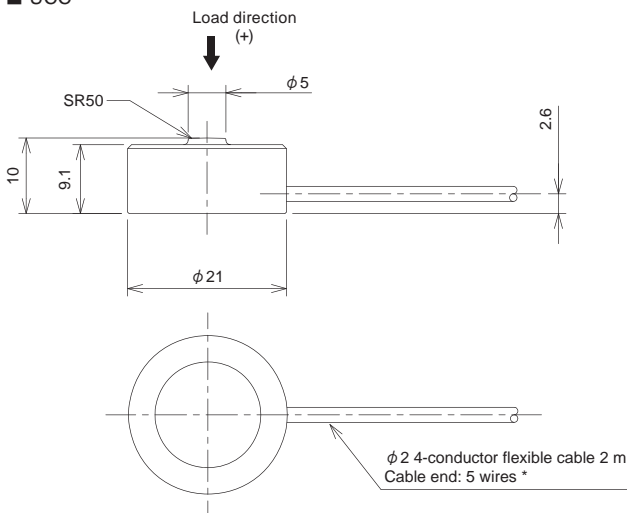


## Wiring diagram

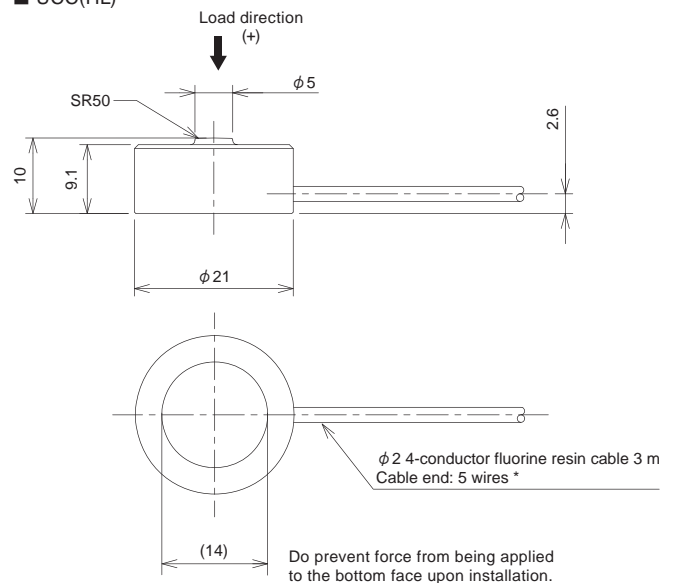


## External dimension

### UCC



### UCC(HL)



Model	Deflection at rated	Natural frequency	Weight
UCC-10KN	0.030 mm	54 kHz	20 g
UCC-10KN(HL)			
UCC-20KN	0.045 mm	55 kHz	
UCC-20KN(HL)			

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

Unit: mm