

UCC/UCC(HL)

Compact high-capacity
compression type loadcell

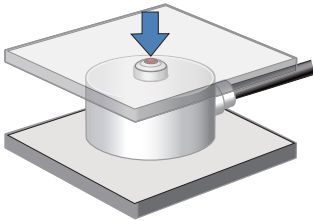


- Can measure up to 20kN with diameter of 21mm!
- Also supports usage in high/low temperature environment (HL)

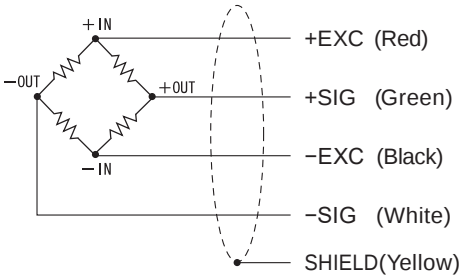
Specifications

Model	UCC-10KN	UCC-20KN	UCC-10KN (HL)	UCC-20KN(HL)
Rated capacity	10kN	20kN	10kN	20kN
Rated output	Approx. 1mV/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.350Ω			
Output resistance	Approx.350Ω			
Recommended excitation voltage	2.5V			
Maximum excitation voltage	5V			
Insulation resistance (DC50V)	1000MΩ or more			
Cable	φ2 4-conductor flexible cable (2m) Cable end: 5 wires		φ2 4-conductor flexible cable (3m) Cable end: 5 wires	
Loadcell material	Stainless steel			

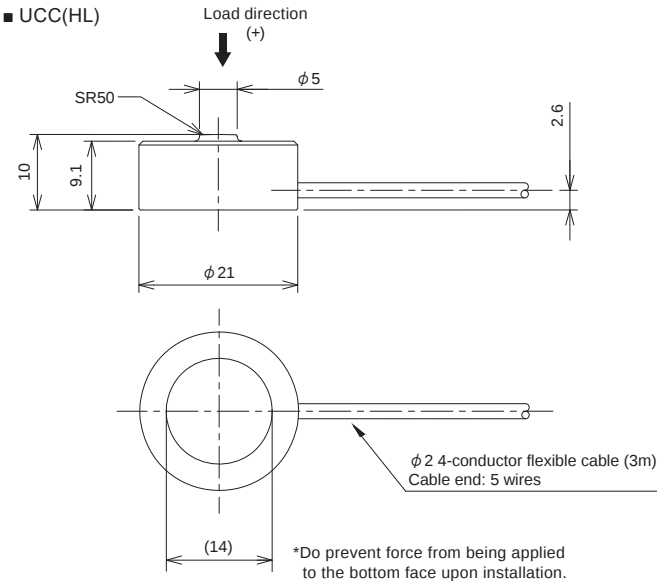
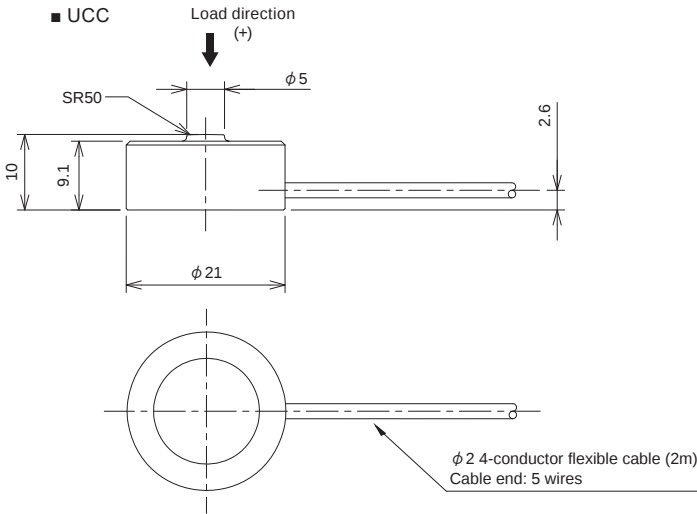
- Example of use



- Wiring diagram



External dimension



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

Unit:mm