



WATER PROOF TENSION / COMPRESSION TYPE LOADCELL

Hardly any interference by torsion & less impact on accuracy against lateral load Easy-to-install double-end female thread type



Flexible cable

Tension & compression
double-end female thread
water proof load cell

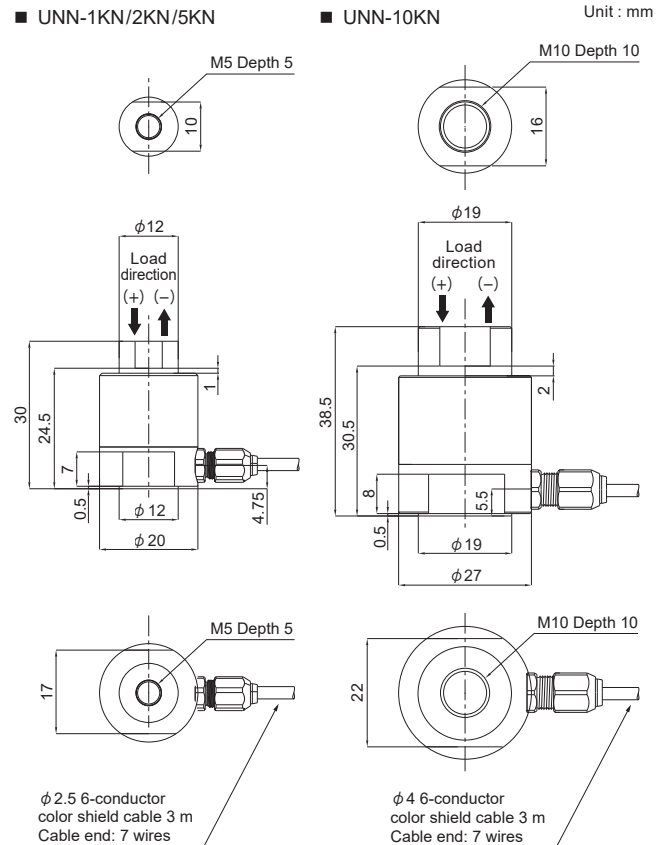
UNN

- Measures both tension & compression load
- The heights are short as 30 to 38.5 mm, allowing easy installation to equipment
- Even when used in horizontal direction, there is no impact of jig's own weight, so that accurate measurements are possible.
- Number of parts can be reduced such as assembling a press machine without guides

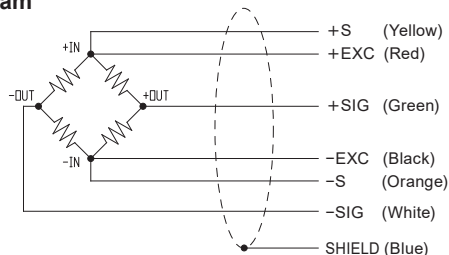
Specifications

Model	UNN-1KN	UNN-2KN	UNN-5KN	UNN-10KN
Rated capacity	1 kN	2 kN	5 kN	10 kN
Rated output	Approx. 1.0 mV/V			
Safe overload	300% R.C.			
Zero balance	±10% R.O.			
Non-linearity	0.2% or less R.O.			
Hysteresis	0.2% or less R.O.			
Repeatability	0.1% or less R.O.			
Compensated temperature range	-10 to +60°C			
Safe temperature range	-20 to +70°C			
Temperature effect on zero	.5% R.O./10°C or below			
Temperature effect on span	0.5% R.O./10°C or below			
Input resistance	Approx. 1000 Ω			
Output resistance	Approx. 1000 Ω			
Recommended excitation voltage	5 V			
Maximum excitation voltage	7.5 V			
Insulation resistance (DC 50 V)	1000 MΩ or more			
Cable	φ2.5 6 conductor flexible cable(3 m) Cable end: 7 wirest		φ4 6 conductor flexible cable(3 m) Cable end: 7 wirest	
Load cell material	Stainless steel			
RoHS directives	2011/65/EU (EU)2015/863			

External dimension



Wiring diagram



Model	Deflection at rated	Natural frequency	Weight
UNN-1KN	0.025 mm	20 kHz	Approx. 50 g
UNN-2KN			
UNN-5KN			Approx. 100 g
UNN-10KN			

Connector can be attached to the cable according to your request.

Specifications, appearance, and design may be changed for improvement without prior notice. Please check with us when ordering.

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