



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**

CE **RoHS2**

WATER & DUST
PROOF

Flexible cable

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

UNN

- Measures both tension & compression load
- The height is short as 30 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

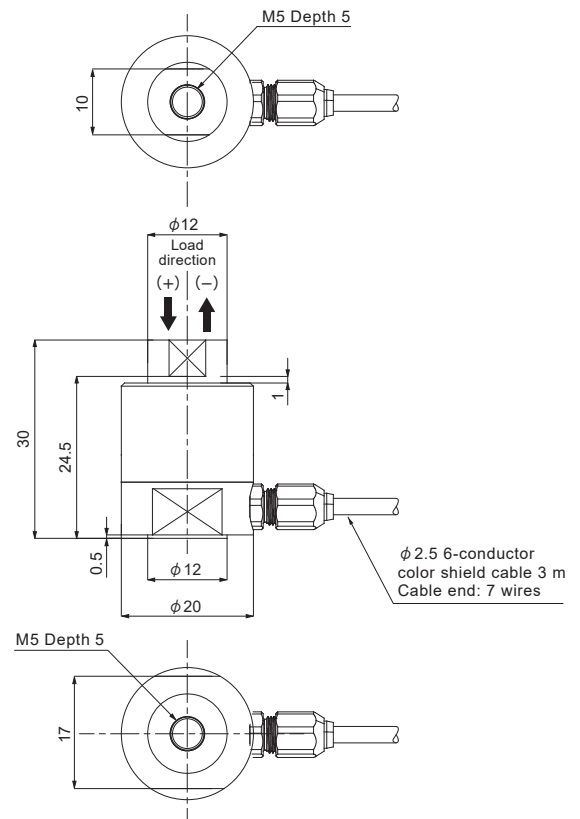
Specifications

Model	UNN-1KN	UNN-2KN	UNN-5KN
Rated capacity	1 kN	2 kN	5 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	0.5% 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 wires		
Load cell material	Stainless steel		
RoHS directives	2011/65/EU (EU)2015/863		

External dimension

■ UNN-1KN/2KN/5KN

Unit : mm



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

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

Wiring diagram

