



**New arrival! Threaded-type load cell
with male screws on both ends
Less impact on accuracy against
lateral load & easy-to-install**

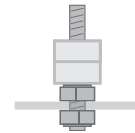


Flexible cable

Specifications

| Model | UIS-1KN UIS-2KN UIS-5KN | UIS-10KN UIS-20KN | UIS-50KN | UIS-50KN-S |
|---------------------------------|--|---|----------|------------|
| Rated capacity | 1 kN, 2 kN, 5 kN | 10 kN, 20 kN | 50 kN | 50 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 | | | |
| Output resistance | Approx. 1000 | | | |
| Recommended excitation voltage | 5 V | | | |
| Maximum excitation voltage | 7.5 V | | | |
| Insulation resistance (DC 50 V) | 1000 M or more | | | |
| Cable | φ2.5 6-conductor flexible cable 3 m, Cable end: 7 wires | φ5 6-conductor flexible cable 3 m Cable end: 7 wires | | |
| Load cell material | Stainless steel | | | |
| RoHS directives | 2011/65/EU (EU)2015/863 | | | |

Installation example

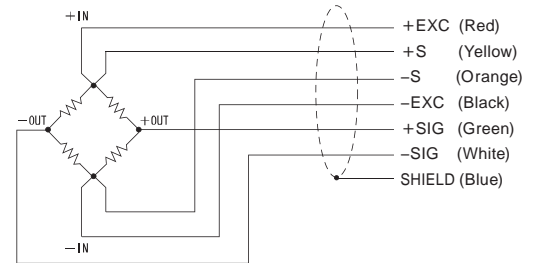


A double nut is recommended for installations.



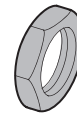
An end rod can be installed directly.

Wiring diagram



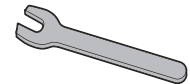
Attachments

Low-profile nuts x2



Optional accessories

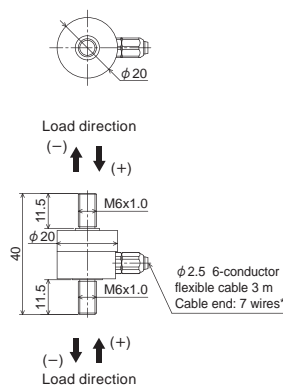
Low-profile spanner



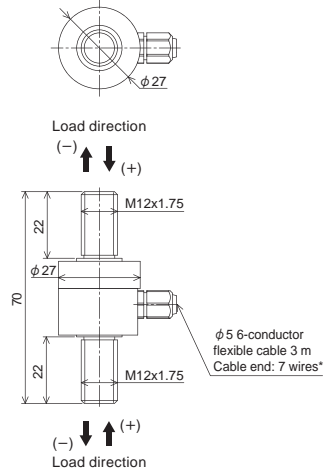
* For UIS-10KN, 20KN, 50KN and 50KN-S.

External dimension

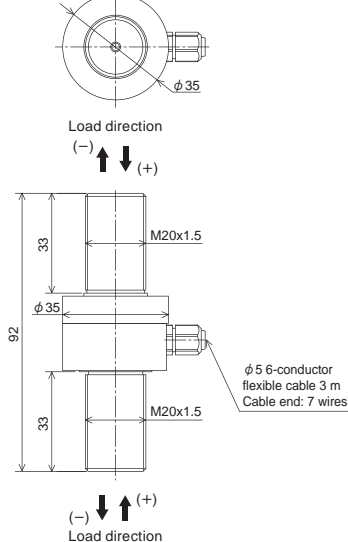
UIS-1KN / 2KN / 5KN



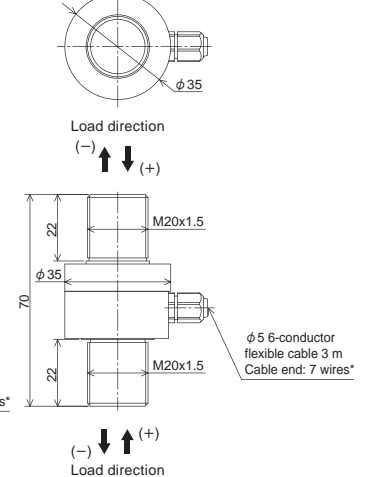
UIS-10KN / 20KN



UIS-50KN



UIS-50KN-S



| Model | Deflection at rated | Natural frequency | Weight |
|------------|---------------------|-------------------|---------------|
| UIS-1KN | 0.015 mm | 2 kHz | Approx. 30 g |
| UIS-2KN | 0.014 mm | 3 kHz | Approx. 30 g |
| UIS-5KN | 0.021 mm | 5 kHz | Approx. 30 g |
| UIS-10KN | 0.025 mm | 15 kHz | Approx. 100 g |
| UIS-20KN | 0.040 mm | 15 kHz | Approx. 100 g |
| UIS-50KN | 0.070 mm | 13 kHz | Approx. 260 g |
| UIS-50KN-S | 0.050 mm | 16 kHz | Approx. 210 g |

Unit: mm

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