

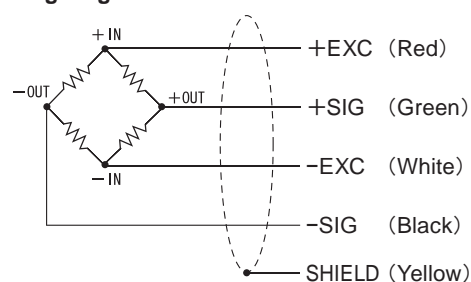


REAL SIZE

### Specifications

| Model                          | UNLS-500N, UNLS-500N-FG,<br>UNLS-1KN, UNLS-1KN-FG,<br>UNLS-2KN, UNLS-2KN-FG,<br>UNLS-5KN, UNLS-5KN-FG |            |
|--------------------------------|---|------------|
| Rated capacity                 | 500, 1k, 2k, 5k   | N          |
| Rated output                   | 1±20%   | mV/V       |
| Safe overload                  | 150   | %R.C.      |
| Maximum safe overload          | 200   | %R.C.      |
| Zero balance                   | ±10   | %R.O.      |
| Non-linearity                  | 1.0   | %R.O.      |
| Hysteresis                     | 1.0   | %R.O.      |
| Repeatability                  | 1.0   | %R.O.      |
| Compensated temperature range  | 0 to +50  | °C         |
| Safe temperature range         | 0 to +60  | °C         |
| Temperature effect on zero     | 0.5   | %R.O./10°C |
| Temperature effect on span     | 0.5   | %R.O./10°C |
| Input resistance               | Approx. 350   | Ω          |
| Output resistance              | Approx. 350   | Ω          |
| Recommended excitation voltage | 2.5   | V(AC,DC)   |
| Maximum excitation voltage     | 5   | V(AC,DC)   |
| Insulation resistance(DC50V)   | 1000 or more  | MΩ         |
| Cable                          | φ3 4 conductor shield cable<br>2m End treatment 5 leads.  |            |
| Load cell material             | Stainless steel   |            |

### Wiring Diagram



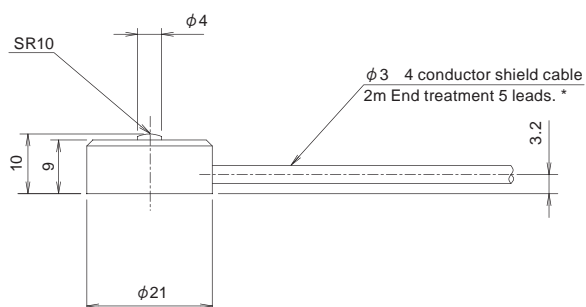
### UNLS-FG

With fastening plate

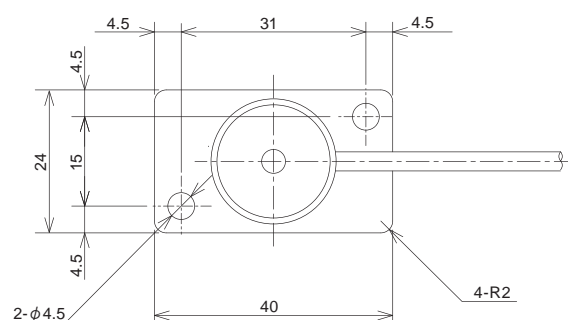


### External dimension

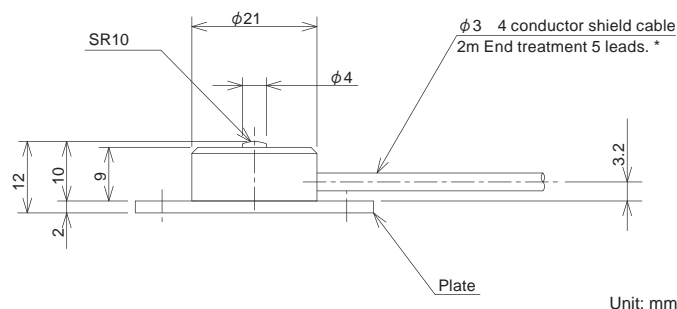
#### UNLS



#### UNLS-FG



| Model        | Deflection at rated | Natural frequency | Weight |
|--------------|---------------------|-------------------|--------|
| UNLS-500N    | 0.01mm              | 60kHz             | 20g    |
| UNLS-500N-FG | 0.01mm              | 60kHz             | 35g    |
| UNLS-1KN     | 0.01mm              | 85kHz             | 20g    |
| UNLS-1KN-FG  | 0.01mm              | 85kHz             | 35g    |
| UNLS-2KN     | 0.01mm              | 98kHz             | 20g    |
| UNLS-2KN-FG  | 0.01mm              | 98kHz             | 35g    |
| UNLS-5KN     | 0.01mm              | 102kHz            | 20g    |
| UNLS-5KN-FG  | 0.01mm              | 102kHz            | 35g    |



Unit: mm

\* Connector can be attached to the cable according to your requests. Refer to 44 pages for details.