

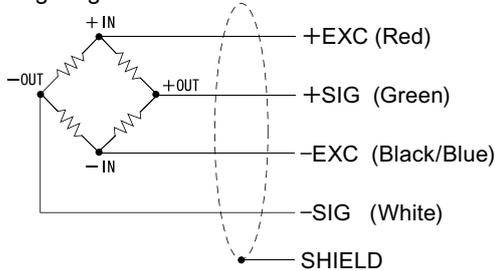
# UPP-100N TENSION / COMPRESSION TYPE LOAD CELL



CE RoHS2 Flexible cable

**Safe overload rating of 500% !!**  
**Suitable for click tester and push tester.**  
**A load cell with both the high sensitivity and stiffness!**

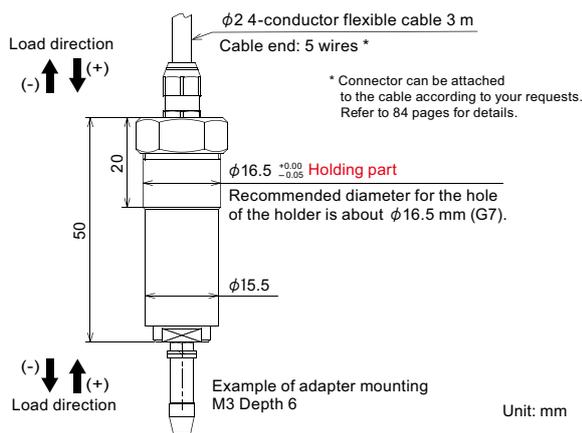
● Wiring diagram



Specifications

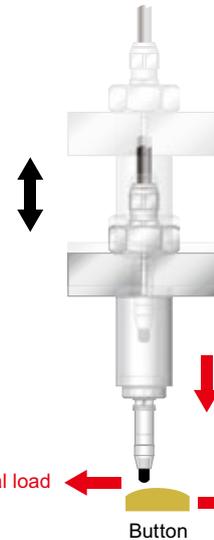
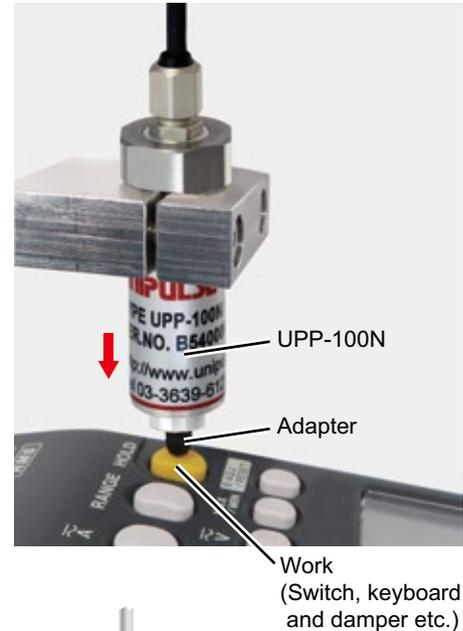
Model	UPP-100N
Rated capacity	100 N
Rated output	Approx. 0.4 mV/V
Safe overload	500% R.C.
Zero balance	±0.3 mV/V
Non-linearity	0.5% or less R.O.
Hysteresis	0.5% or less R.O.
Repeatability	0.5% or less R.O.
Compensated temperature range	0 to +40°C
Safe temperature range	-10 to +50°C
Temperature effect on zero	1.0% 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	10 V
Insulation resistance (DC 50 V)	1000 MΩ or more
Deflection at rated	3 μm
Natural frequency	11.7 kHz
Cable	φ2 4-conductor flexible cable 3 m Cable end: 5 wires
Load cell material	Aluminum alloy
Weight	Approx. 30 g
RoHS directives	2011/65/EU (EU)2015/863

External dimension



● Application example

Click tester and push tester etc.



Compared with other load cells, UPP-100N is insensitive against lateral load so that it can detect pushing force accurately.

● Recommended indicator for UPP



Digital indicator  
**FS2000**

FS2000 fully utilizes the performance of UPP. Suitable for OK/NOK judgment in inspection process.

⇒ Refer to 105 pages for details.

\* UPP can be connected with other UNIPULSE indicators too.