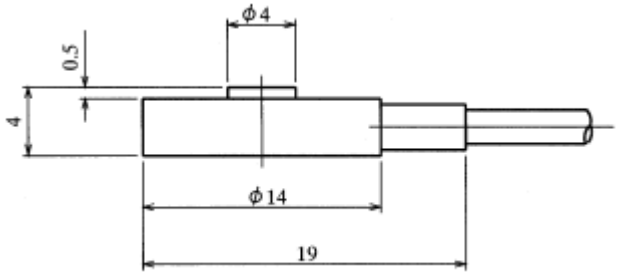
"MRU" / Ultra-small type

Features

- Φ14 mm and 4 mm in thickness. All stainless steel construction. Ultra-small and high capacities.
- Load can be sensed on flat surface of Φ4 mm (during uniform loading).
- Capacities: 200N, 500N and 1kN.
- Applications: Occlusion force measurement. For installation in industrial machines.

Related products : *MRD* / *MRDT* / *MR* / *MRS* / *MR-251...*

Appearance Dimensions



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Model and Capacity / etc. (unit :

Model	Capacity	Natural frequency	Weight
MRU-200N	200N	41kHz	
MRU-500N	500N	66kHz	
MRU-1KN	1kN	101kHz	

- * The weight indicated in the specifications does not include that of the cable.
- * Can offer special units with capacities 2kN and 3kN in the external diameter of 17 mm and in the thickness of 5 mm.

Specifications

Safe Overload	120%RC
Rated Output	1mV/V±20%
Nonlinearity	2%RO
Hysteresis	2%RO
Repeatability	1%RO
Excitation Voltage	2V (or less)
Safe Excitation Voltage	3V
Input Rsistance	120Ω
Output Rsistance	120Ω
Compensated Temp.Range	0 to 60℃
Safe Temp.Range	-10 to 80℃
Temp.Effect on Zero	0.2%RO/℃
Temp.Effect on Output	0.03%/℃
Cable	Φ2mm-4wire shielded cable, length : 2m

*RE: Cable
An extremely thin side wound shielded cable with an excellent bendability is used in this Model of Load Cell. In order for this extremely thin cable to be free from any accidents of being snapped off in the course of operation, it is recommended that this thin cable is connected with the robot cable via relay terminals if the load cell is installed on fluctuating positions.
Although the standard length of the drawn out cable from the load cell is determined to be 2 M, we see no particular effects provided even that the load cells are used with the drawn out cable in the different lengths