



This is I.T. Co., Ltd.

1878 Moo 1 Soi Bearing 44 Sukhumvit 107 Rd.

T.Samrongnua A.Muang Samutprakarn Thailand 10270

Hot Line: 091-095-8123 Site: www.thisisit.co.th E-mail: sales@thisisit.co.th

MRU – ULTRA SMALL TYPE LOAD CELL

Features

- Φ 14 mm and 4 mm in thickness. All stainless steel construction. Ultra-small and high capacities.
- Load can be sensed on flat surface of Φ 4 mm (during uniform loading).
- Capacities: 200N, 500N and 1kN.
- Applications: Occlusion force measurement. For installation in industrial machines.



Specifications

Safe Overload	150%RC
Rated Output	1mV/V \pm 20%
Nonlinearity	2%RO
Hysteresis	2%RO
Repeatability	1%RO
Excitation Voltage	2V (or less)
Safe Excitation Voltage	3V
Input Resistance	120 Ω
Output Resistance	120 Ω
Compensated Temp.Range	0 to 60 $^{\circ}$ C
Safe Temp.Range	-10 to 80 $^{\circ}$ C
Temp.Effect on Zero	0.2%RO/ $^{\circ}$ C
Temp.Effect on Output	0.03%/ $^{\circ}$ C
Cable	Φ 2mm-4wire shielded cable, length: 2m



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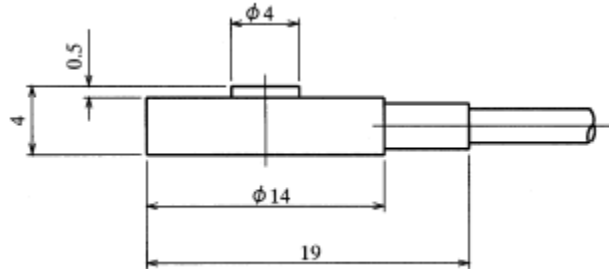
SHOWA MEASURING INSTRUMENTS INC.

Tokyo Japan



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Appearance Dimensions



Model and Capacity / etc. (unit : mm)

Model	Capacity	Natural frequency	Weight
MRU-200N	200N	41kHz	3g
MRU-500N	500N	66kHz	3g
MRU-1KN	1kN	101kHz	3g

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



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