



This is I.T. Co., Ltd.

1878 Moo 1 Soi Bearing 44 Sukhumvit 107 Rd.

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# MR – SMALL TYPE LOAD CELL

## Features

- Button type load cell with a wider loading area (10 mm dia.).
- Most suitable for the measurement of finger pressure sensibility.
- Low capacities (5N to 100N).
- Low cost.



## Specifications

<b>Safe Overload</b>	150%RC
<b>Rated Output</b>	1mV/V±20%
<b>Nonlinearity</b>	1%RO
<b>Hysteresis</b>	1%RO
<b>Repeatability</b>	0.5%RO
<b>Excitation Voltage</b>	2V (or less)
<b>Safe Excitation Voltage</b>	3V
<b>Input Resistance</b>	120Ω
<b>Output Resistance</b>	120Ω
<b>Compensated Temp.Range</b>	20 to 60°C
<b>Safe Temp.Range</b>	0 to 80°C
<b>Temp.Effect on Zero</b>	0.03%RO/°C
<b>Temp.Effect on Output</b>	0.03%/°C
<b>Cable</b>	Φ3mm-4wire shielded cable, length: 2m



**Micro Sensor Technology**

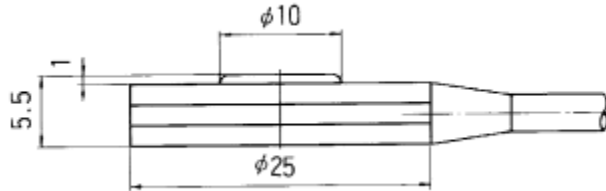
SHOWA MEASURING INSTRUMENTS INC.

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## Appearance Dimensions



Model and Capacity / etc. (unit : mm)

Model	Capacity	Natural frequency	Weight
MR-5N	5N	1.6kHz	10g
MR-10N	10N	2.5kHz	10g
MR-20N	20N	4.1kHz	10g
MR-50N	50N	6.6kHz	10g
MR-100N	100N	9.5kHz	10g

- The weight indicated in the specifications does not include that of the cable.



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