



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](http://www.thisisit.co.th) E-mail: [sales@thisisit.co.th](mailto:sales@thisisit.co.th)

# RC – COLUMN TYPE WITH SPHERICAL MOUNTING PLATE LOAD CELL

## Features

- High reliability. For versatile applications.
- An abundant delivery achievement. Low cost.
- Equipped with a spherical base (also with a dropping-out prevention cap).
- A wide range of capacities (10kN to 5MN).
- Accuracy class: 0.15%.



## Specifications

<b>Safe Overload</b>	150%RC
<b>Rated Output</b>	1.5mV/V±1%
<b>Nonlinearity</b>	0.2%RO
<b>Hysteresis</b>	0.2%RO
<b>Repeatability</b>	0.1%RO
<b>Excitation Voltage</b>	12V (or less)
<b>Safe Excitation Voltage</b>	20V
<b>Input Resistance</b>	350Ω
<b>Output Resistance</b>	350Ω
<b>Compensated Temp.Range</b>	-10 to 60°C
<b>Safe Temp.Range</b>	-30 to 80°C
<b>Temp.Effect on Zero</b>	0.01%RO/°C
<b>Temp.Effect on Output</b>	0.01%/°C
<b>Connector (On Body)</b>	Receptacle / PRC03-21A10-7F
<b>Attached Cable</b>	L-A-5



**Micro Sensor Technology**

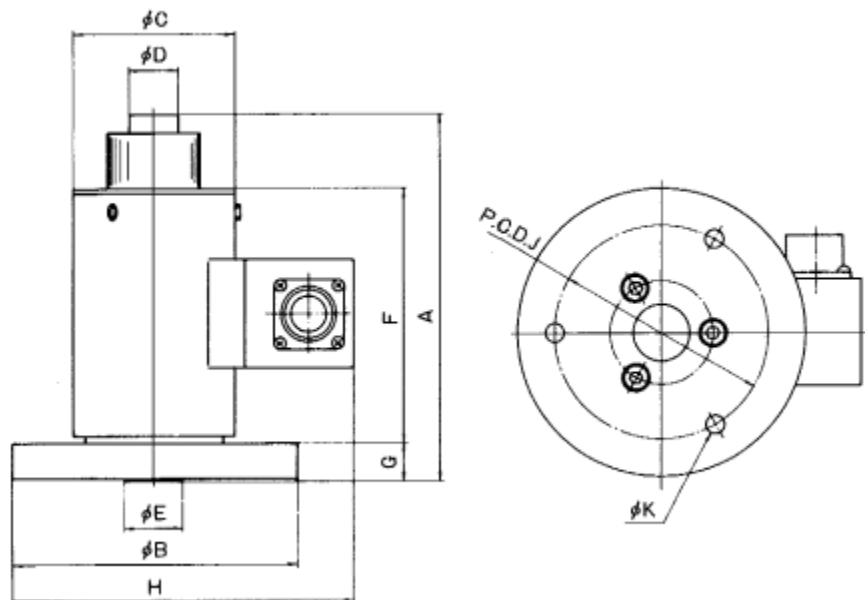
SHOWA MEASURING INSTRUMENTS INC.

Tokyo Japan



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](http://www.thisisit.co.th) E-mail: [sales@thisisit.co.th](mailto:sales@thisisit.co.th)

## Appearance Dimensions



Model and Capacity / Dimension / etc. (unit : mm)

Model	Capacity	A	B	C	D	E	F	G	H	J	K	Natural frequency	Weight
RC-10KN	10kN	102	80	45	14	18	87	10	94.5	60	3- Φ5.5	1.3kHz	1.4kg
RC-20KN	20kN	102	80	45	14	18	87	10	94.5	60	3- Φ5.5	5.4kHz	1.4kg
RC-50KN	50kN	110	80	40	20	15	95	10	93	65	4- Φ6.5	9.0kHz	1.6kg
RC-100KN	100kN	120	100	50	30	21	105	10	108	80	4- Φ8.5	8.3kHz	2.0kg
RC-200KN	200kN	150	120	66	40	30	134	11	126	100	4- Φ8.5	8.1kHz	3.28kg
RC-500KN <sup>*1</sup>	500kN	210	150	98	60	48	185	20	157	125	4- Φ10.5	4.8kHz	13kg
RC-1MN <sup>*1</sup>	1MN	276	250	143	100	68	245	21	225	190	4- Φ13.0	3.7kHz	30kg
RC-2MN <sup>*1</sup>	2MN	331	280	170	130	95	297	25	255	220	4- Φ13.0	3.7kHz	46kg
RC-5MN <sup>*1</sup>	5MN	430	380	242	200	150	383	37	348	320	4- Φ15.5	2.9kHz	122kg

- Confirmation to undescribed items to be made with reference to descriptions on instruction manuals or directly to this Company.
- Items with Marks (\*) can be built only on order.