

# MNC | Disk Load Cell



## Description

MNC is a stainless steel Miniature Disk type load cell. A compacted type load cell with enclosed structure can be used in a small amount of space and is suitable for various test equipment and metering systems, including semiconductor processes

## Specifications

Capacity(R.L.)	kgf	50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K
Rated Output	mV / V	2.0 ± 0.005
Zero Balance	mV / V	0.0 ± 0.06
Accuracy Class	-	-
Non-Linearity	% R.O.	≤ 0.15
Hysteresis	% R.O.	≤ 0.15
Combined Error	% R.O.	≤ 0.15
Repeatability	% R.O.	≤ 0.05
Creep for 30min.	% R.O.	≤ 0.03
Return for 30min.	% R.O.	≤ 0.03
Resolution	-	≤ 1/600
Division	mV / V	0.003
Temperature Effect on	-Zero Value -Output Value	%/10°C %/10°C
		≤0.05 ≤0.05
Excitation	-Recommended -Maximum	V V
		10 15
Resistance	-Input -Output -Insulation	Ω Ω MΩ
		420 ± 30 350 ± 3.5 > 2000
Compensated Temperature Range	°C	-10 to +40
Operating Temperature Range	°C	-30 to +80
Material & Plate	-	Stainless steel (50kgf ~ 2tf) Steel (5 ~ 20tf)
Cable Specification	-	Ø5.4 X 4P X 3m (5m) (Urethane)
Safety Overload	% R.L.	150

## Features

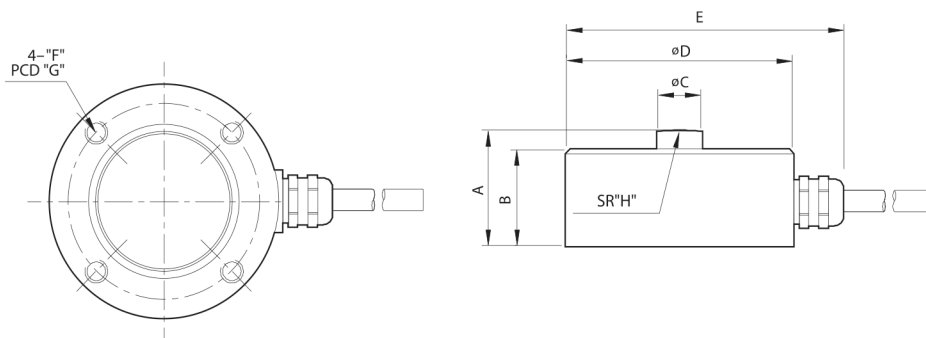
- ▶ Compression Type
- ▶ Stainless steel material (50kgf~20tf)  
Steel material (5~20f)
- ▶ Hermetically sealed structure
- ▶ Load button type accessory integral structure
- ▶ Designed according to IP67

## Application

- ▶ Semiconductor process
- ▶ Testing and metering system
- ▶ Compression Tester

## Dimensions

### ▶ MNC



Capa.	A	B	C	D	E	F	G	H	Cable(m)
50~2K	25	21	10	50	64.5	M5 X 0.8 DP 7	42	50	3
5K	40	35	20	98	112.5	M6 X 1.0 DP 8	72	150	
10K	45	40	20	98	112.5	M6 X 1.0 DP 8	72	150	5
20K	50	45	20	118	132.5	M8 X 1.25 DP 10	90	250	