

# MNT | Disk Load Cell



## Description

MNT is a stainless steel Miniature Disk type load cell. It is suitable for various testing equipment and metering systems, including semiconductor processes, and can be used in a small amount of space for installation by a sealed-typed load cell.

## Specifications

Capacity(R.L.)	kgf	50, 100, 200, 500, 1K, 2K	
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.	≤ 0.1	
Return for 30min.	% R.O.	≤ 0.1	
Resolution	-	≤ 1/600	
Division	mV / V	0.003	
Temperature Effect on	-Zero Value	%/10°C	≤ 0.05
	-Output Value	%/10°C	≤ 0.05
Excitation	-Recommended	V	10
	-Maximum	V	15
Resistance	-Input	Ω	420 ± 30
	-Output	Ω	350 ± 3.5
	-Insulation	MΩ	> 2000
Compensated Temperature Range	°C	-10 to +40	
Operating Temperature Range	°C	-30 to +80	
Material & Plate	-	Stainless steel	
Cable Specification	-	Ø5.4 X 4P X 3m (Urethane)	
Safety Overload	% R.L.	150	

## Features

- ▶ Tension application
- ▶ Stainless Steel
- ▶ Hermetically sealed structure
- ▶ Designed according to IP67

## Option

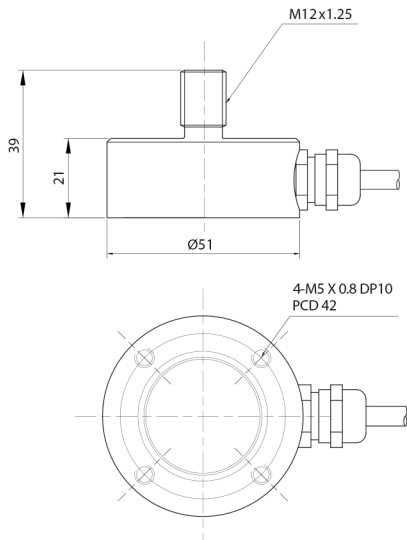
- ▶ Tension type accessory

## Application

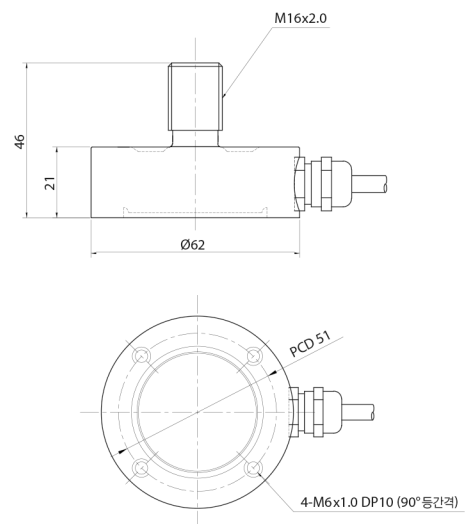
- ▶ Semiconductor process
- ▶ Testing and metering system
- ▶ Tensile tester

## Dimensions

▶ MNT (50-500kgf)

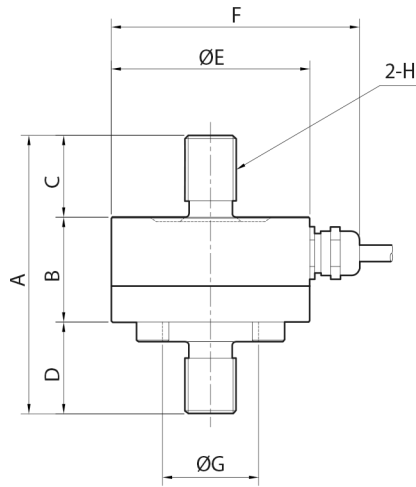


▶ MNT (1, 2tf)



Accessory Dimensions

► MNT



Capa.	A	B	C	D	E	F	G	H
50 ~500kgf	70	27	18	25	51	67	20	M12 x 1.25
1~2K	85	32	25	28	62	77.5	30	M16 x 2.0