

MNT

Disk Load Cell



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

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