

SMN | Disk Load Cell



Description

SMN is a Miniature Disk type of Aluminum/Stainless steel. A compacted type load cell 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	1, 2, 5, 10, 20, 30, 50, 100, 200, 300, 500, 1K, 2K	
Rated Output	mV / V	0.5 ± 0.1 (for 1, 2, 5 kgf), 1.0 ± 0.1	
Zero Balance	mV / V	0.0 ± 0.1	
Accuracy Class	-	-	
Non-Linearity	% R.O.	≤ 2.0	
Hysteresis	% R.O.	≤ 2.0	
Combined Error	% R.O.	≤ 2.0	
Repeatability	% R.O.	≤ 1.0	
Creep for 30min.	% R.O.	≤ 1.0	
Return for 30min.	% R.O.	≤ 1.0	
Resolution	-	-	
Division	mV / V	0.02	
Temperature Effect on	-Zero Value	%/10°C	≤ 0.05
	-Output Value	%/10°C	≤ 0.1
Excitation	-Recommended	V	10
	-Maximum	V	15
Resistance	-Input	Ω	350 ± 3.5
	-Output	Ω	350 ± 3.5
	-Insulation	MΩ	> 2000
Compensated Temperature Range	°C	-10 to +40	
Operating Temperature Range	°C	-30 to +80	
Material & Plate	-	Aluminum: 1-5kgf Stainless steel: 10kgf-2tf	
Cable Specification	-	Ø3 X 4P X 3m (PVC)	
Safety Overload	% R.L.	150	

Features

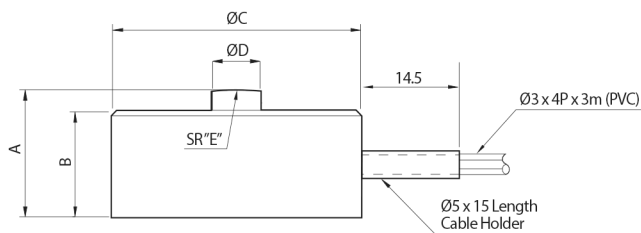
- ▶ Compression application
- ▶ Designed according to IP65

Application

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

Dimensions

▶ SMN



Capa.	A	B	C	D	E	Cable (m)
1 ~ 100 kgf	11	9	20	3	20	3
200kgf ~ 2tf	16	15	20	4	20	