

SMNC-20-4M | WELDED STAINLESS



FEATURES

- High-precision miniature compression force sensors utilize strain gauge technology.
- These force sensors have high accuracy and it has non-linearity of 0.5%
- The force sensors are made of stainless steel and have strong compression bearing ability.
- Many capacities are available and they can be modified or customized to meet requirements.

Applications

► SMNC-20 Miniature compression load cells applied in force measurement in small space installation, such as feeling tester for keyboard switch, pressure measurement for hot and cold lamination machine, and grasping force measurement for robotic hands.

SPECIFICATION

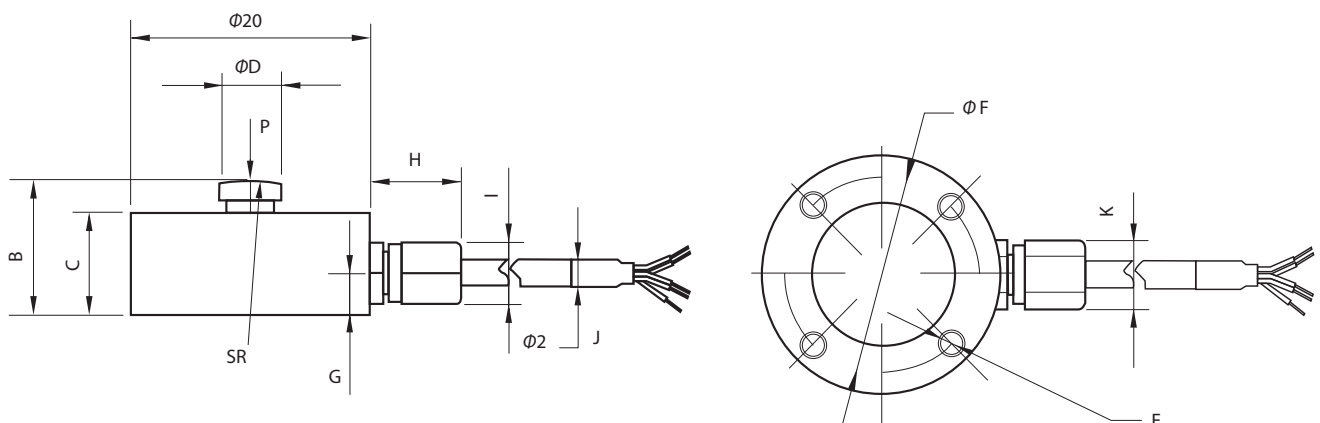
Capacity	5 ~ 2000kg	Output Impedance	350±5Ω
Rated Output	1.0~1.5mV / V	Insulation (DC 50V)	≥5000MΩ
Zero Balance	±2% F.S.	Recommended Excitation	5 V
Non-Linearity	0.5% F.S.	Maximum Excitation	10 V
Hysteresis	0.5% F.S.	Compensated Temp Range	-10 ~ 60°C
Repeatability	0.5% F.S.	Operating Temp Range	-20 ~ 80°C
Creep (30min)	0.1% F.S.	Safe load limit	120% F.S.
Temp Effect on Output	0.05 % F.S. / 10°C	Ultimate Load Limit	150% F.S.
Temp Effect on Zero	0.05 % F.S. / 10°C	Cable Size	Φ3x3m
Input Impedance	350±5Ω	Wire Connection	Ex+: Red EX-: Black Sig+: Green Sig -: White

ORDER CODE

SMNC-20-4M-xxkg

SMNC-20-4M-H5-xxkg

DIMENSION



Unit (mm)

No	Range (kg)	B	C	D	E	F	G	H	I	J	K	SR
SMNC-20-4M	5,10,20,30,50,100,200,300,500	11	8.5	5	4-M2.5 Deep5	16.5	3.2	7.5	5	2	5.7	20
	1000,2000	11	8.5	6	4-M2.5 Deep5	16.5	3	7.5	5	2	5.7	20
SMNC-20-4M-H5	5,10,20,30,50,100	5	4.5	2.5	4-M2.5	16.5	1.7	0	0	2	0	10