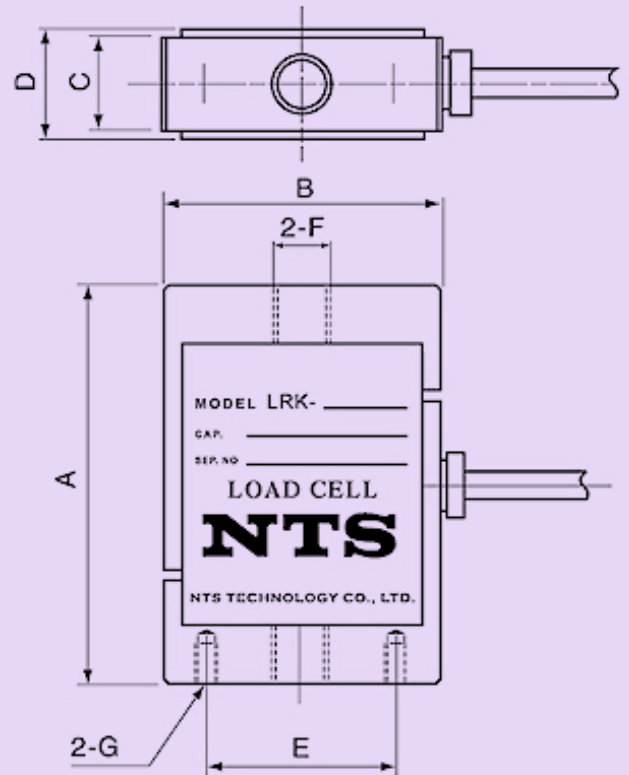


## TENSION & COMPRESSION TYPE LOAD CELL

MODEL:LRK 0.05% grade

### → OUTLINE



### → FEATURES

Assuring minimum error of output and compactly designed, commonly used for low capacity range of compression and tension control by use of connecting thread at both sides. High precision, high output and economical cost

### → DIMENSIONS

ITEM MODEL	RATED CAPACITY		A	B	C	D	E	F	G	WEIGHT (kg)
LRK-100N	100N	10.19 kgf	55	42	12	16	--	M6 P1 Deep 8	-----	0.17
LRK-200N	200N	20.39 kgf	55	42	12	16	--	M6 P1 Deep 8	-----	0.17
LRK-500N	500N	50.99 kgf	85	58	20	24	40	M12 P1.75 Deep 15	M5 Deep 8	0.65
LRK-1KN	1KN	101.9 kgf	85	58	20	24	40	M12 P1.75 Deep 15	M5 Deep 8	0.65
LRK-2KN	2KN	203.9 kgf	85	58	20	24	40	M12 P1.75 Deep 15	M5 Deep 8	0.65
LRK-5KN	5KN	509.9 kgf	85	58	20	24	40	M12 P1.75 Deep 15	M5 Deep 8	0.65
LRK-10KN	10KN	1.019 tonf	105	78	32	36	60	M18 P1.5 Deep 22	M6 Deep 10	1.65
LRK-20KN	20KN	2.039 tonf	110	88	35	40	60	M18 P1.5 Deep 22	M6 Deep 10	2.25

UNIT: mm

## → STANDARD SPECIFICATIONS

Rated Capacity	100N ~ 20KN
Rated Output	2mV/V $\pm$ 1% (100N ~ 200N is $\pm$ 3%)
Non-Linearity	0.05% R.O.
Hysteresis	0.05% R.O.
Repeatability	0.03% R.O.
Recommended Input Voltage	10V (100N ~ 200N is 5V)
Maximum Input Voltage	18V (100N ~ 200N is 10V)
Input/Output Resistance	350 $\Omega$ $\pm$ 1%
Insulation Resistance	> 2000M $\Omega$
Compensated Temperature Range	-10 ~ +70 °C
Operating Temperature Range	-20 ~ +100 °C
Temperature Effect on Zero Balance	$\pm$ 0.01% R.O. / °C
Temperature Effect on Rated Output	$\pm$ 0.01% / °C
Safe Overload Rating	120% R.C.
Cable	$\phi$ 6, 4-conductor shielded cable 3m long (500N ~ 20KN) $\phi$ 3, 4-conductor shielded cable 3m long (100N ~ 200N)

