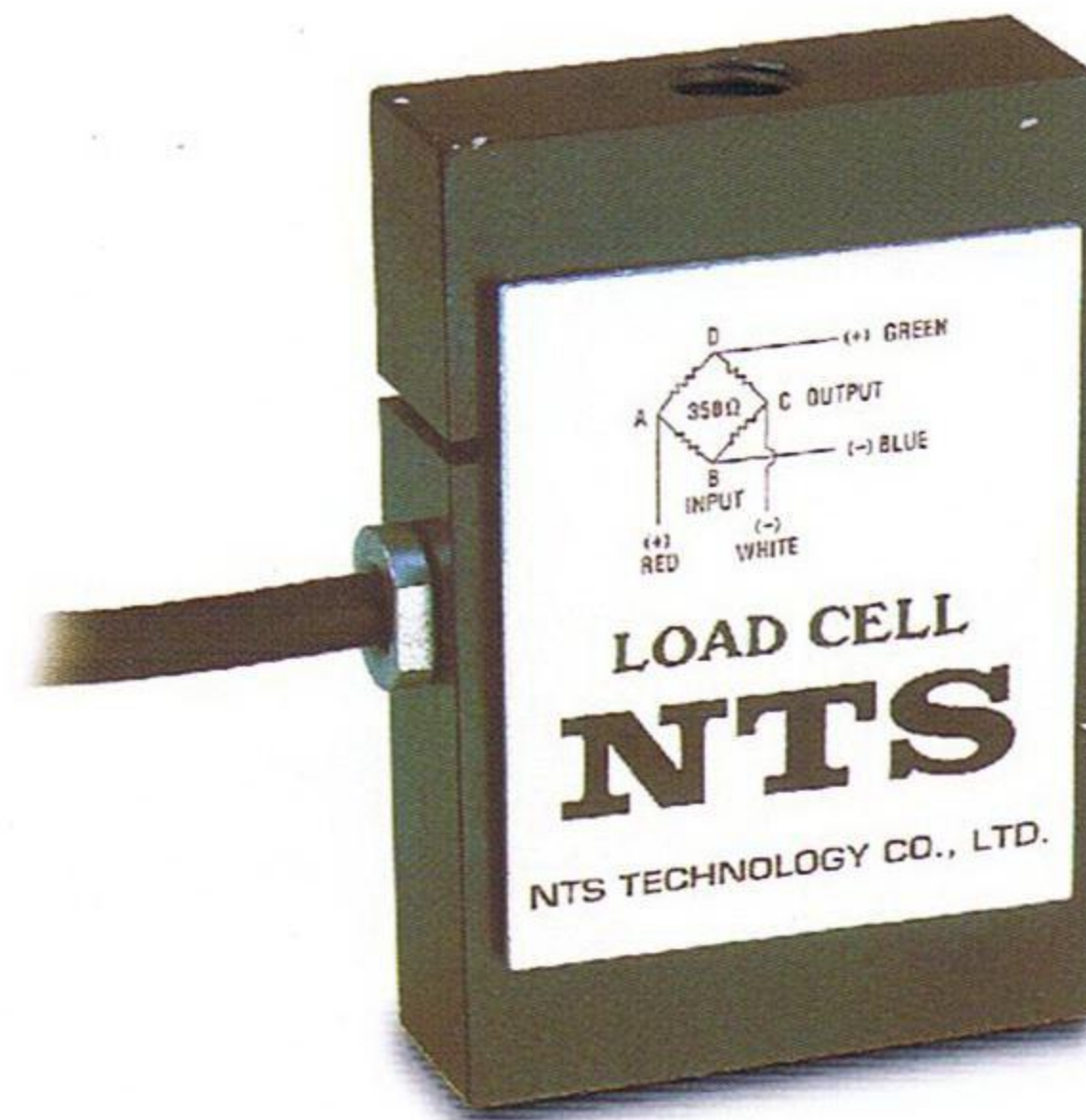


TENSION & COMPRESSION TYPE LOAD CELL

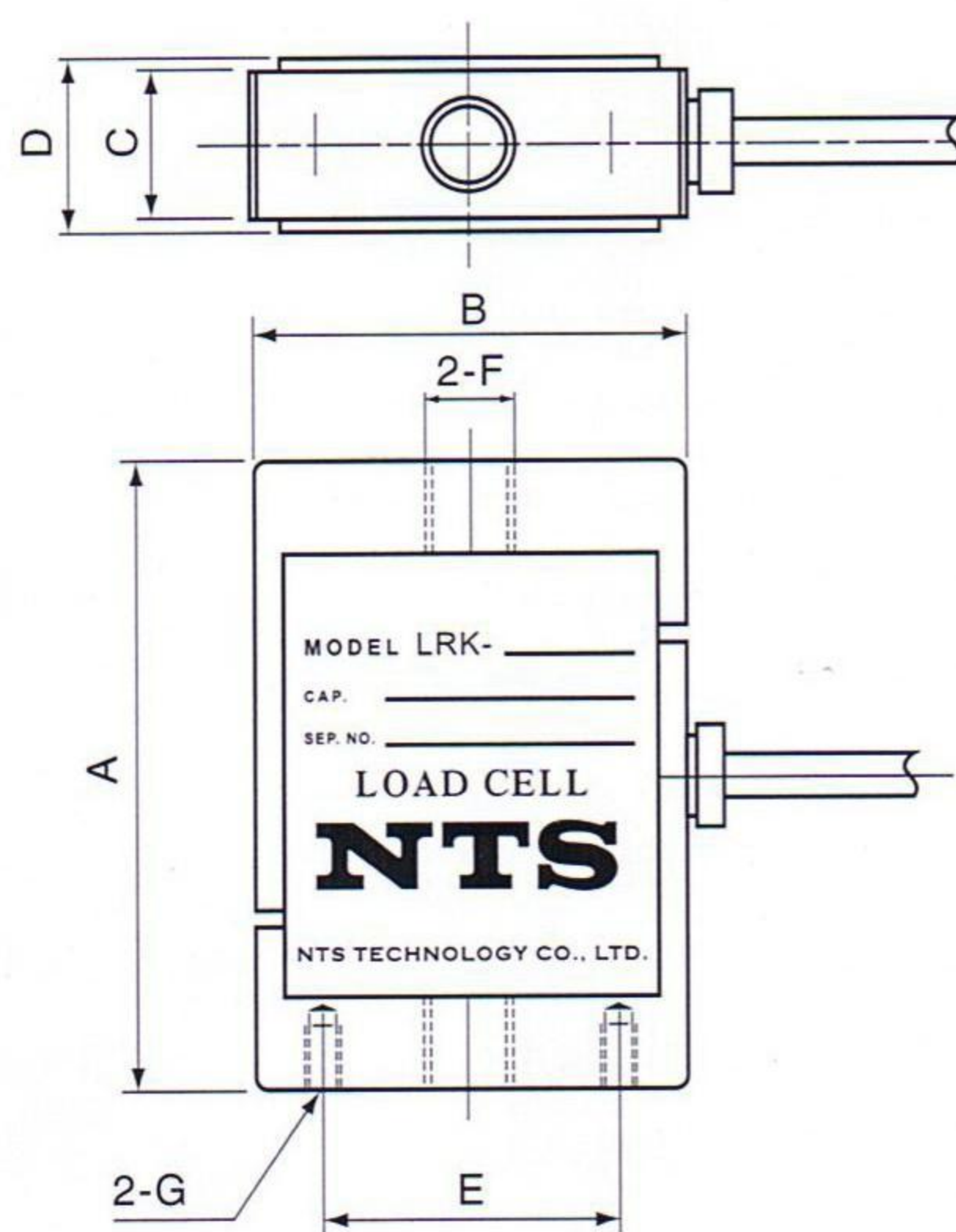
MODEL: **LRK** 0.05% grade

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.



Outline



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 Ω \pm 1%
Insulation Resistance.....	>2000M Ω
Compensated Temperature Range.....	-10~+70 $^{\circ}$ C
Operating Temperature Range.....	-20~+100 $^{\circ}$ C
Temperature Effect on Zero Balance.....	\pm 0.01%R.O./ $^{\circ}$ C
Temperature Effect on Rated Output.....	\pm 0.01%/ $^{\circ}$ C
Safe Overload Rating.....	120%R.C.
Cable.....	ϕ 6, 4-conductor shielded cable 3m long (500N~20KN) ϕ 3, 4-conductor shielded cable 3m long (100N~200N)

Dimensions

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

UNIT: mm