

DATA AND CALIBRATION SHEET

LOAD CELL

KOSD-1239

S/N 358950

1	RATED LOAD (R.L.)	100 KN	1	EXCITATION VOLTAGE, RECOMMENDED	10 V AC OR DC
2	OVERLOAD, SAFE	100 % R.L.	1	EXCITATION VOLTAGE, MAXIMUM	18 V AC OR DC
3	OVERLOAD, ULTIMATE	200 % R.L.	1	INPUT RESISTANCE 350 +/- 5 OHMS INCL. STANDARD CABLE	
4	SIDE LOAD, SAFE	100 % R.L.	1	OUTPUT RESISTANCE 350.3 OHMS INCL. STANDARD CABLE	
5	SIDE LOAD, ULTIMATE	200 % R.L.	1	TEMPERATURE RANGE	-40 TO +80 DEGREES C
6	ELECTRICAL CONNECTION	SHIELDED 4-CONDUCTOR CABLE	1	TEMPERATURE EFFECT (-10 TO +50 DEGREES C)	
7	EXCITATION POSITIVE:	RED STRIPE ON GREEN	1	ON OUTPUT	0.04 % OF OUTPUT PER DEG. C
8	EXCITATION NEGATIVE:	BLACK	1	ON ZERO BALANCE	0.04 % OF R.O. PER DEG. C
9	SIGNAL POSITIVE:	GREEN STRIPE ON WHITE			
10	SIGNAL NEGATIVE:	WHITE STRIPE ON RED			

24 RATED OUTPUT (R.O.) (TOLERANCE 0.25%)

1.763 mV/V

26 NONLINEARITY (BEST FIT THROUGH ZERO)

+/- 0.16 % R.O.

30 ZERO BALANCE

+0.5 % R.O.

32 CALIBRATION VALUES (TOLERANCE 0.25 %) SHUNT RESISTOR CONNECTED BETWEEN 'EXCITATION NEGATIVE' AND 'SIGNAL NEGATIVE',
 80 KOHMS CORRESPOND TO 123.8 kN
 160 KOHMS CORRESPOND TO 61.9 kN
 THE VALUES INDICATED FOR OUTPUT VOLTAGE AND CALIBRATION VALUES ARE APPLICABLE AT OPEN CIRCUIT
 WITHOUT EXTERNAL BALANCING RESISTORS AND WITH A CONNECTING CABLE OF STANDARD LENGTH.

ROHS

Vishay Nobel AB
 S-691 27 KARLSKOGA

KARLSKOGA 17-09-26

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Amke Hutter

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11 RATED OUTPUT (R.O.) (TOLERANCE 0.25%) 1.763 mV/V

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 16 WITHOUT EXTERNAL BALANCING RESISTORS AND WITH A CONNECTING CABLE OF STANDARD LENGTH.



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