

# SHEAR BEAM LOAD CELL

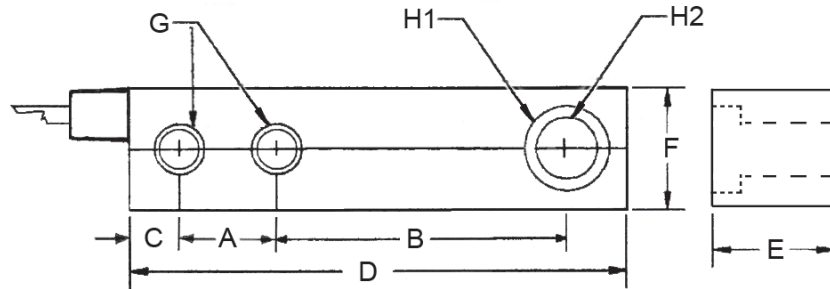
## NSSB



## Nikkei's NSSB Hermetically Sealed Stainless Steel Construction

- ✓ *Stainless Steel Construction*
- ✓ *Interchangeable with HBM SB3 and RTI SSB*
- ✓ *Hermetically Sealed*
- ✓ *Available in capacities from 1,000 lbs to 40,000 lbs*

 **Totalcomp**<sup>®</sup> Scales & Components



**NSSB**

## NSSB NIKKEI SHEAR BEAM LOAD CELL

The *Nikkei* NSSB Series beam load cells are interchangeable with HBM SB3 beam load cells and RTI SSB beam load cells. The NSSB is constructed from Stainless Steel for washability and protection from harsh environments.

Part Number	Capacity	Weight	A	B	C	D	E	F	G	H1	H2
NSSB-1K	1,000 lb	6 lb	2.50	3.88	0.75	8.00	1.88	1.45	0.53	1.19	0.68
NSSB-2K	2,000 lb	6 lb	2.50	3.88	0.75	8.00	1.88	1.45	0.53	1.19	0.68
NSSB-4K	4,000 lb	6 lb	2.50	3.88	0.75	8.00	1.88	1.45	0.53	1.19	0.68
NSSB-5K	5,000 lb	6 lb	2.50	3.88	0.75	8.00	1.88	1.45	0.53	1.19	0.68
NSSB-10K	10,000 lb	12 lb	2.63	4.88	0.81	9.25	2.75	1.88	0.88	1.63	1.00
NSSB-40K	40,000 lb	26 lb	3.50	6.25	1.25	12.50	3.75	2.75	1.31	1.88	1-1/2-12

### Performance

**Full Scale Output**  
2.0 mv/v  $\pm$  0.1%

**Combined Error**  
0.03% FS

**Nonlinearity**  
0.03% FS

**Hysteresis**  
0.05% FS

**Creep**  
0.02% FS in 1 hour

**Non-Repeatability**  
0.02% FS

**Zero Balance**  
 $\pm$  1.0% FS

**Overload Safe**  
150% FS

**Overload Ultimate**  
300% FS

**Electrical**  
**Bridge Resistance**  
Input 350 ohms  
Output 350 ohms

**Excitation Voltage**  
15VDC

**Insulation Resistance**  
10KMohms@50VDC

### Temperature

**Compensated Range**  
0 - 150 deg. F

**Temperature Operating Range**  
-10 to 160 deg. F

**Effect on Zero Balance**  
0.0011% FS/deg. F

**Effect on FS Output**  
0.0008% FS/deg. F

### Mechanical

**Material**  
Stainless Steel

**Sealing**  
IP67

### Wiring

**Cable Length & Type**  
20 foot, 4 conductor

**Cable Color Code**  
+ Excitation.....Green  
- Excitation.....Black  
+ Output.....White  
- Output.....Red  
Shield.....Orange

### TOTALCOMP LIMITED WARRANTY

*Totalcomp* warrants this product to be free of defects in materials and/or workmanship and suitable for the purpose(s) intended as outlined on this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.