H9N



NTEP 10–057A1

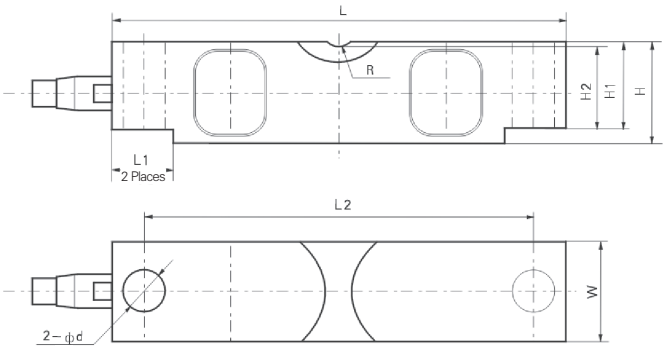
- Alloy steel IP67dual shear beam load cell
- High accuracy
- Suitable for track and truck scales and other weighing devices

Available models		
xxklb	A3M/B10M	H9N–xx–xxK–9B
25klb–200klb approved by NTEP A3M/B10M		

Specification

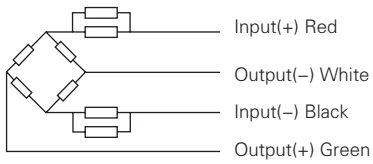
Maximum capacity (Emax)	klb	10/15/20/25/30/40/50/60/75/100/125		
Accuracy class		C3	A3M	B10M
Maximum number of load cell intervals (nLC)		3000	III3000Multiple	IIIL 10000 Multiple
Ratio of minimum LC verification interval Y = Emax / vmin		10000	5000	10000
Combined error	%FS	± 0.020	± 0.030	± 0.050
Creep	%FS/30min	± 0.016	± 0.024	± 0.040
Temperature effect on sensitivity	%FS/10℃	± 0.011	± 0.017	± 0.040
Temperature effect on zero	%FS/10℃	± 0.015	± 0.023	± 0.020
Output sensitivity (= FS)	mV/V	3.0 ± 0.003		
Input resistance	Ω	700 ± 7		
Output resistance	Ω	703 ± 4		
Insulation resistance	MΩ	⩾ 5000(50VDC)		
Zero balance	%FS	⩽ ± 1.0		
Compensated temperature	℃	–10 ~ +40		
Operating temperature	℃	–35 ~ +70		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD20 T73℃	II3G Ex nL II C T4

Dimensions in mm



Dimension / Capacity	L	L1	L2	H	H1	H2	Φd	W	R
25klb	197 (7.75)	35 (1.38)	165 (6.5)	49.3 (1.94)	43.2 (1.7)	41.4 (1.63)	Φ17.3 (0.68)	43 (1.7)	R19.1 (0.75)
40klb	260.4 (10.25)	49 (1.93)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	Φ20.6 (0.81)	49.3 (1.9)	R25.4 (1.0)
50~75klb	260.4 (10.25)	49 (1.93)	216 (8.5)	74.7 (2.94)	67.3 (2.65)	64.5 (2.54)	Φ26.9 (1.06)	62 (2.44)	R25.4 (1.0)
100~125klb	387.4 (15.25)	79.5 (3.13)	324 (12.76)	98 (3.86)	87.1 (3.43)	83.8 (3.3)	Φ41.2 (1.62)	73.7 (2.9)	R38.1 (1.5)
150~200klb	489 (19.25)	127.8 (5.03)	387.4 (15.25)	147.3 (5.8)	130.1 (5.12)	112.8 (4.44)	Φ41.2 (1.62)	96.5 (3.8)	R50.8 (2.0)

Wiring



- Shielded, 4 conductor cable.
- Standard cable length: 9m
- Cable type and length for customer's own application are available on request.
- Shield connected to body.