

B9N



- B9N load cells are available in the capacities 10Kib~125Kib.
- Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

Features

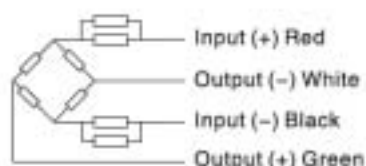
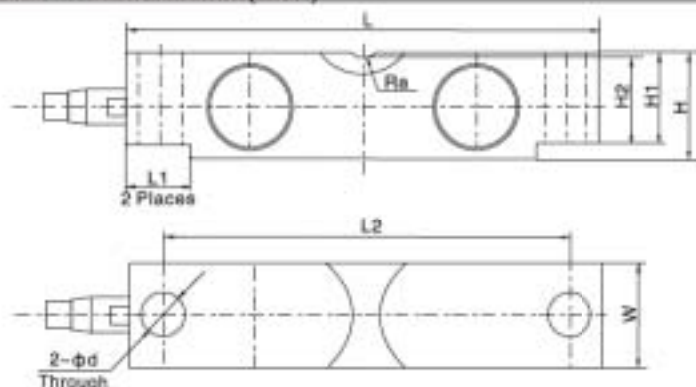
- Capacity 10Kib~125Kib
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance



Specifications

Capacity	Kib	10/15/20/25/30/40/50/60/75/100/125			
Accuracy		C2	C3	A5S	A5M
Maximum number of verification intervals	n_{max}	2000	3000	5000	5000
Minimum load cell verification interval	V_{min}	$E_{max}/5000$	$E_{max}/10000$	$E_{max}/15000$	$E_{max}/15000$
Combined error	(%FS)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$
Output sensitivity	(mv/v)	3.0 ± 0.003			
Input resistance	(Ω)	700 ± 7			
Output resistance	(Ω)	703 ± 4			
Insulation resistance	(M Ω)	$\geq 5000(50VDC)$			
Zero balance	(%FS)	1.0			
Temperature, compensated	(°C)	$-10 \sim +40$			
Temperature, operating	(°C)	$-35 \sim +70$			
Excitation, recommended	(V)	$5 \sim 12(DC)$			
Excitation, max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

Outline Dimension mm(inch)



Wiring:

Adopt shielded, 4 conductor cable: $\phi 5mm$
Standard cable length: 9m

Dimension \ Capacity	L	L1	L2	H	H1	H2	ϕd	W	Ra
10 - 25Kib	197 (7.75)	35 (1.38)	165 (6.5)	49.3 (1.94)	43.2 (1.7)	41.4 (1.63)	$\phi 17.3$ (0.68)	43 (1.7)	R19.1 (0.75)
30 - 40Kib	260.4 (10.25)	49 (1.93)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	$\phi 20.6$ (0.81)	49.3 (1.94)	R25.4 (1.0)
50 - 75Kib	260.4 (10.25)	49 (1.93)	216 (8.5)	74.7 (2.94)	67.3 (2.65)	64.5 (2.54)	$\phi 26.9$ (1.06)	62 (2.44)	R25.4 (1.0)
100 - 125Kib	387.4 (15.25)	79.5 (3.13)	324 (12.76)	98 (3.86)	87.1 (3.43)	83.8 (3.3)	$\phi 41.2$ (1.62)	73.7 (2.9)	R38.1 (1.5)