

H9D

- Nickel plated alloy steel IP67 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Sealed construction

Available models

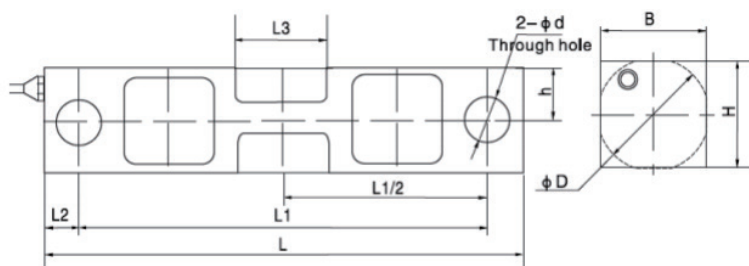
Capacity	Accuracy	Full article description
1 Klb	N3	H9D-N3-1K-6B
1.5 Klb	N3	H9D-N3-1.5K-6B
2 Klb	N3	H9D-N3-2K-6B
2.5 Klb	N3	H9D-N3-2.5K-6B
4 Klb	N3	H9D-N3-4K-6B
5 Klb	N3	H9D-N3-5K-6B
10 Klb	N3	H9D-N3-10K-6B
15 Klb	N3	H9D-N3-15K-6B
20 Klb	C3/C4/C5	H9D-C3/C4/C5-20K-6B
25 Klb	C3/C4/C5	H9D-C3/C4/C5-25K-6B
35 Klb	C3/C4/C5	H9D-C3/C4/C5-35K-6B
50 Klb	C3/C4/C5	H9D-C3/C4/C5-50K-6B
75 Klb	C3/C4/C5	H9D-C3/C4/C5-75K-6B



Specification

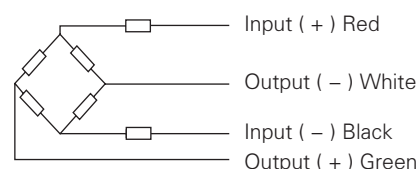
Accuracy class		N3	OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	3.0 ± 0.008			
Maximum capacity (E _{max})	klb	1, 1.5, 2, 2.5, 4, 5, 10, 15	20, 25, 35, 50, 75		
Maximum number of load cell intervals (nLC)		3000	4000	5000	
Ratio of minimum LC verification interval Y = E _{max} / v _{min}		10000	15000	20000	
Combined error	%FS	± 0.023	± 0.0175	± 0.0140	
Minimum dead load	of E _{max}	0 %			
Safe overload	of E _{max}	150 %			
Ultimate overload	of E _{max}	300 %			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Input resistance	Ω	700 ± 7			
Output resistance	Ω	703 ± 4			
Insulation resistance	MΩ	≥ 5000 (50VDC)			
Compensated temperature	°C	-10 ~ +40			
Operating temperature	°C	-35 ~ +65			
Storage temperature	°C	-40 ~ +70			
Element material		Nickel plated alloy steel			
Ingress protection (according to EN 60529)		IP67			
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C	II3G Ex nL IIC T4	

Dimensions in mm



Dimension Capacity	L	L1	L2	H	h	B	ΦD	Φd
1Klb-5Klb	190.5 (7.5)	158.75 (6.25)	15.9 (0.63)	30.99 (1.22)	16.76 (0.66)	30.99 (1.22)	31.5 (1.24)	12.7 (0.5)
10Klb-35Klb	222.25 (8.75)	190.5 (7.5)	15.9 (0.63)	49.15 (1.94)	24.58 (12.67)	36.45 (1.44)	50.8 (2.0)	20.57 (0.81)
50Klb-75Klb	342.9 (13.5)	292.1 (11.5)	25.4 (1.0)	74.68 (2.94)	37.37 (1.47)	61.98 (2.44)	75.95 (2.99)	33.32 (1.31)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 6m.
- Shield not connected to element.