Datasheet: HM9B load cell

Capacity	Accuracy	Part-Number
10 t	C3	HM9B-C3-6t-12B
20 t	C3	HM9B-C3-9t-12B
25 t	C3	HM9B -C3-12t-12B
30 t	C3	HM9B -C3-15t-12B
40 t SE	C3	HM9B -C3-40tSE-12B
40 t	C3	HM9B -C3-40t-12B
50 r	C3	HM9B -C3-50t-12B

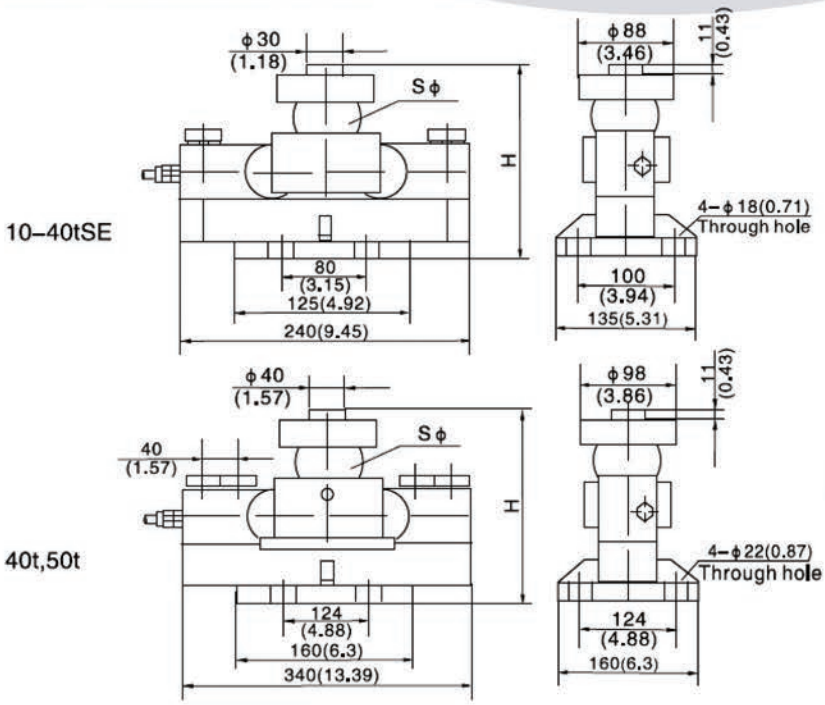
- Alloy steel IP68 duel shear beam load cell
- High accuracy
- Suitable for truck, track and other electronic weighing scales

Specification:

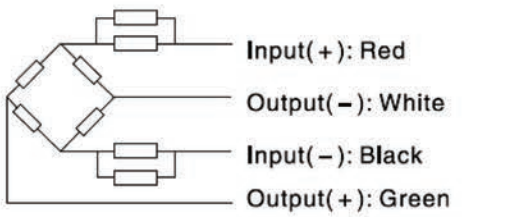
Accuracy class		OIML R60 C3		
Output sensitivity (= FS)	mV/V	2.0 ± 0.004		
Maximum capacity (E_{max})	t	10, 20, 25, 30, 40, 40 SE, 50		
Maximum number of load cell intervals (n_{LC})		3000		
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		7500 - 15000[1]		
Combined Error	%FS	± 0.020		
Minimum dead load	t	0		
Safe overload	of E_{max}	150 %		
Ultimate overload	of E_{max}	300 %		
Zero balance	of FS	< ± 1.5 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Terminal resistance, input	Ω	700 ± 7		
Terminal resistance, output	Ω	703 ± 4		
Insulation impedance	MΩ	≥5000 (at 50VDC)		
Temperature range, compensated	℃	-10 ~+40		
Temperature range, operating	℃	-35 ~ +65		
Element material		Alloy steel		
Ingress Protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃	II3G nL IIC T4

Note 1: Y-value is indicated on the load cell

Outline Dimensions in mm



Capacity / Dimension	10t	20t~40tSE	40t,50t
H	195 (7.68)	225 (8.86)	267 (10.51)
Sϕ	50 (1.97)	76 (2.99)	82 (3.22)



Wiring:

- Shielded, 4 conductor cable : ϕ5.5mm.
- Standard cable length: 12m.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.