HM9B



- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck, track, hopper and other electronic weighing devices
- Current calibrated (sc–option)

test certificate no. D09–06.08
C of C no. R60/2000–CN1–06.06

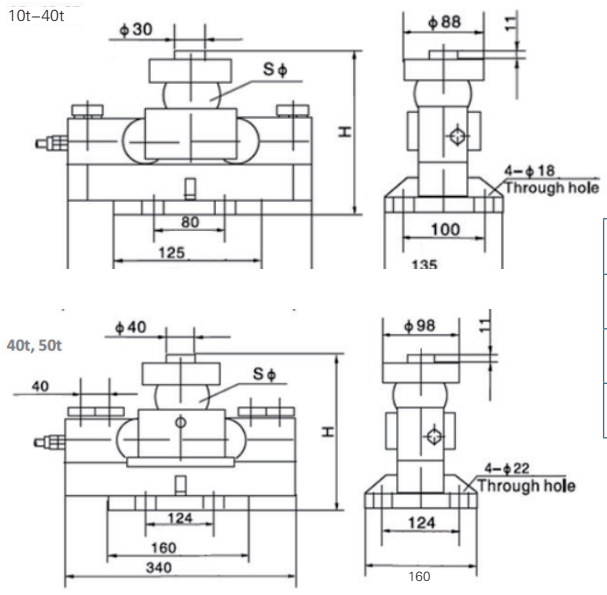
Available models

Capacity	Accuracy	Full article description
10 t	C3	HM9B–C3–10t–16B
20 t	C3	HM9B–C3–20t–16B
25 t	C3	HM9B–C3–25t–16B(–SC)
30 t	C3	HM9B–C3–30t–16B(–SC)
40t LE	C3	HM9B–C3–40t LE–16B
40t	C3	HM9B–C3–40t–16B
50t	C3	HM9B–C3–50t–16B

Specification

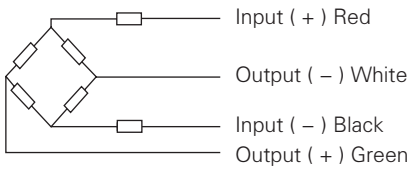
Accuracy class		OIML R60 C3		
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum capacity (E_{max})	t	10/20/25	30/40LE/40/50	
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		15000	7500	
Combined error	%FS	± 0.023		
Minimum dead load	klb	0		
Safe overload	%FS	150 %		
Ultimate overload	%FS	300 %		
Zero balance	%FS	± 1.5		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Input resistance	Ω	700 ± 7		
Output resistance	Ω	700 ± 7		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	℃	–10 ~ +40		
Operating temperature	℃	–35 ~ +65		
Storage temperature	℃	–40 ~ +70		
Element material		Nickel plated alloy steel		
Ingress protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃	II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	H	ΦS
10t	195 (7.68)	50 (1.97)
20t–40t	225 (8.86)	76 (2.99)
40tLE, 50t	267 (10.51)	82 (3.23)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5.5mm.
- Standard cable length: 16m, also available in 12m.
- Shield not connected to element.