



## DUAL S-BEAM LOAD CELL TYPE H9Z2

### APPLICATIONS:

Dual Shear Beam load cell type H9Z2 can be used in weighing systems.

Some applications are:

- Suitable for truck scales, track scales and other weighing devices
- Suitable for measuring rope extension force

### MAIN FEATURES:

- Used on the hoist cable to monitor the weight lifted
- Alloy steel construction
- IP67



**NOMINAL LOAD:** T: 0,5-1-1,5-2,5-5-10

### SPECIFICATIONS:

Capacities	T	0,5-1	1,5-2,55-10
Accuracy Class		G5	
Output Sensitivity (=FS)	mV/V	0,8 ± 0.02	1 ± 0.02
Combined Error	%FS	≤ ±0,5	
Temp. effect on Zero	%FS/10 °C	≤ ±0,1	
Temp. effect on Sensitivity	%FS/10 °C	≤ ±0,05	
Safe overload	Of E <sub>max</sub>	150%	
Ultimate Overload	Of E <sub>max</sub>	300%	
Zero Balance	Of FS	0 ~ +2.0%	
Excitation, recommended Voltage	VDC	5 ~ 12	
Excitation Max.	VDC	18	
Input Resistance	Ω	370 ± 10	
Output Resistance	Ω	350 ± 3,5	
Insulation Resistance	M Ω	≥5000 (at 50VDC)	
Temp. Range, Compensated	°C	-10 ~ +40	
Temp. Range, Operating	°C	-35 ~ +65	
Element Material		Alloy Steel	
Ingress Protection		IP67	

### CELM s.r.l.

Largo Brugnatelli 13/16 20090 BUCCINASCO (MI) ITALY

Tel: +39-0245712209 / 0257503712 Fax: +39-0245705836 / 0257506211

Internet: [www.celmi.com](http://www.celmi.com) mail: [info@celmi.com](mailto:info@celmi.com)