

Type H8C Load Cell



Short Description

- Nickel plated alloy steel IP67 shear beam load cell (100kg & 250kg are bending beam load cells)
- Adhesive sealed
- Suitable for platform weighing, bed weighing, etc.
- High accuracy
- High reliability
- Current calibrated (SC-option)



Test certificate no. TC8012 Revision 1
C of C no R60/2000-NL1-12.12

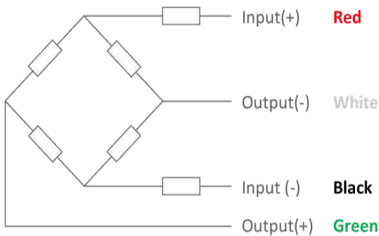


Certificate no. 12-028

Technical Specifications H8C

Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5	
Output Sensitivity (= FS)	mV/V	3.0 ± 0.003			
Maximum Capacity (E _{max})	t	0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 5, 10		0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5	3, 5, 10
Max. Number of Load Cell Intervals	n _{LC}	3000	4000	5000	
Ratio of min. LC Verification Interval	Y = E _{max} / v _{min}	10000	15000	20000	18000
Combined Error	%FS	≤± 0.023	≤± 0.0175	≤± 0.014	
Creep Error (30 minutes)	%FS	≤± 0.016	≤± 0.012	≤± 0.010	
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.015	≤± 0.010	≤± 0.007	
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.011	≤± 0.009	≤± 0.008	
Zero Balance	%FS	≤± 1.0			
Safe Overload	%FS	150			
Ultimate Overload	%FS	300			
Maximum Deflection	mm	0.1t – 0.2t: 0.3	0.5t – 5t: ~ 1.2		10t: 0.8
Excitation, Recommended Voltage	V	5 ~ 12			
Excitation, Maximum Voltage	V	18			
Input Resistance	Ω	350 ± 3.5			
Output Resistance	Ω	350 ± 3.5			
Insulation Resistance (50V)	MΩ	≥5000			
Compensated Temperature	°C	-10 ~ + 40			
Operating Temperature	°C	-35 ~ + 65			
Storage Temperature	°C	-40 ~ + 80			
Load Cell Weight	kg	0.1t – 2.0t: ~ 0.9	2.5t – 5t: ~ 1.7		10t: ~ 3.6
Element Material		Nickel plated alloy steel			
Ingress Protection (acc. to EN 60529)		IP67			
Recommended Torque on Fixation Bolts	Nm	M12: 100	M18:200	M24:700	
ATEX Classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C		II3G Ex nL IIC T4

4-Wire Connection Diagram



6-Wire Connection Diagram

