



Short Description



- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for train scales
- Hermetically sealed



Test certificate no. TC8229 Rev. 0
C of C no R60/2000-NL1-12.47

Available Models

Capacity	Accuracy	Full Article Description
15t	C2.5	HM9J-C2.5-15t-20F
20t	C2.5	HM9J-C2.5-20t-20F
30t	C2.5	HM9J-C2.5-30t-20F

Technical Specifications HM9J

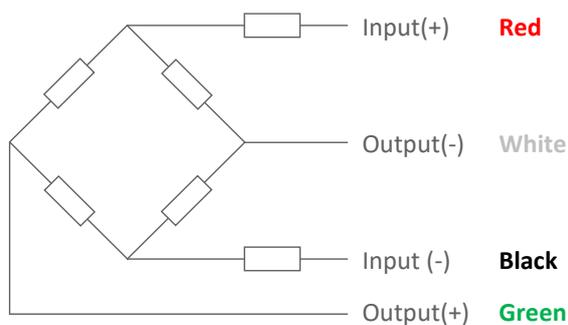
Accuracy Class		C2.5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (E _{max})	t	15, 20, 30
Max. Number of Load Cell Intervals	n _{LC}	2500
Ratio of min. LC Verification Interval	$Y = E_{max} / V_{min}$	5000
Combined Error	%FS	≤± 0.028
Creep Error (30 minutes)	%FS	≤± 0.30
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.03
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.05
Zero Balance	%FS	≤± 1.0
Safe Overload	%FS	120
Ultimate Overload	%FS	150
Excitation, Recommended Voltage	V	5 ~ 12
Excitation, Maximum Voltage	V	18
Input Resistance	Ω	750 ± 10
Output Resistance	Ω	703 ± 4
Insulation Resistance (50V)	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Storage Temperature	°C	-40 ~ + 80
Load Cell Weight	kg	28.5
Element Material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP68
Recommended Torque on Fixation Bolts	Nm	650

Wiring

Features:

Cable type: Shielded, 4-conductor rat-proof cable , conductor AWG 22
 Cable diameter: Ø 5.5mm
 Cable length: 20m
 Cable jacket: Flame-retardant PE
 Shield not connected to element

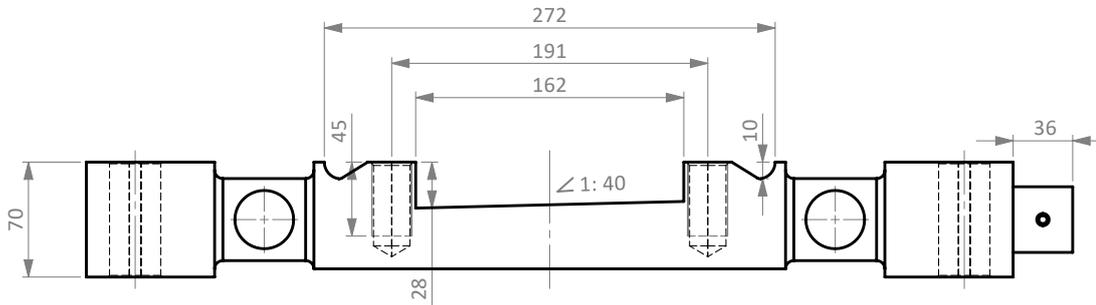
4-Wire Connection Diagram



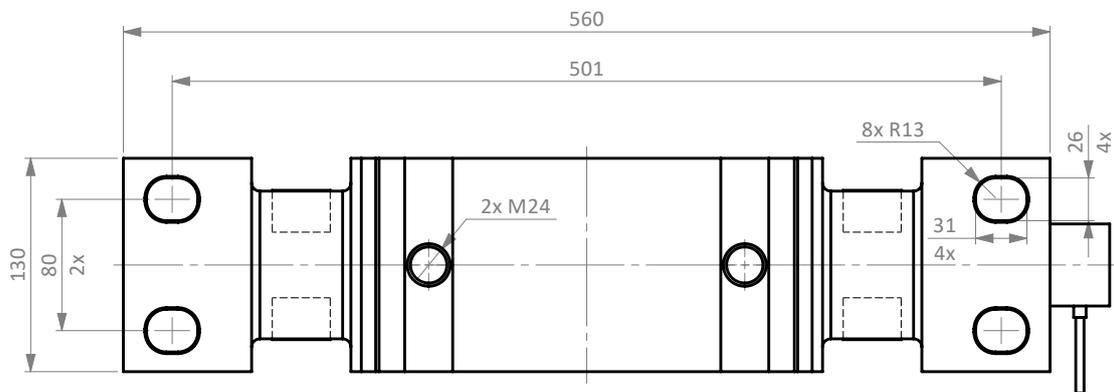
Type HM9J Load Cell

Dimensions in mm

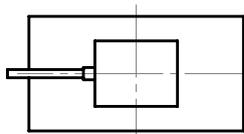
Front View



Top View



Side View



Isometric View

