



Short Description



- Nickel plated alloy steel IP66 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Recommended maximum platform size:
 - for 50kg – 200kg: 400 × 400 mm
 - for 250kg – 500kg: 600 × 800 mm
 - for 750kg – 2t: 1200 × 1200 mm

Non-OIML approved

Available Models

Capacity	Accuracy	Full Article Description
50kg	C3	H6F-C3-50kg-3B6-S1
100kg	C3	H6F-C3-100kg-3B6
150kg	C3	H6F-C3-150kg-3B6
200kg	C3	H6F-C3-200kg-3B6
250kg	C3	H6F-C3-250kg-3B6
350kg	C3	H6F-C3-350kg-3B6
500kg	C3	H6F-C3-500kg-3B6
750kg	C3	H6F-C3-750kg-3B6
1000kg	C3	H6F-C3-1.0t-3B6
2000kg	C3	H6F-C3-2.0t-3B6

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

Technical Specifications H6F

Accuracy Class		C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2*
Maximum Capacity (E _{max})	kg	100, 150, 200, 250, 350, 500, 750, 1000, 2000
Max. Number of Load Cell Intervals	n _{LC}	3000
Ratio of min. LC Verification Interval	Y = E _{max} / v _{min}	10000
Combined Error	%FS	≤± 0.023
Creep Error (30 minutes)	%FS	≤± 0.020
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.017
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.014
Zero Balance	%FS	≤± 1.5
Safe Overload	%FS	150
Ultimate Overload	%FS	300
Eccentric Loading Error	%Ld/cm	± 0.002
Excitation, Recommended Voltage	V _{DC}	5 ~ 12
Excitation, Maximum Voltage	V _{DC}	18
Input Resistance	Ω	384 ± 4
Output Resistance	Ω	350 ± 2
Insulation Resistance (@ 50V _{DC})	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Load Cell Weight	kg	100kg – 500kg: ~4.8 750kg – 2t: ~9.5 – 10.4
Element Material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP66
Recommended Torque on Fixation Bolts	Nm	M12: 75 M16: 160
ATEX Classification (optional)		II 1G Ex ia IIC T4 Ga II 1D Ex ia IIIC T ₂₀₀ 135°C Da II 3G Ex ic IIC T4 Gc

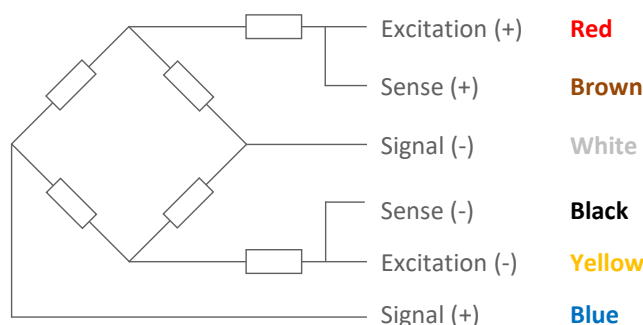
* = S1 version has sensitivity of 2.0mV/V ± 0.002

Wiring

Features:

Cable type: Shielded, 6 conductor cable , conductor AWG 24
Cable diameter: Ø 6.2mm
Cable length: 3.0m ± 0.1m
Cable jacket: PVC
Shield not connected to element

6-Wire Connection Diagram

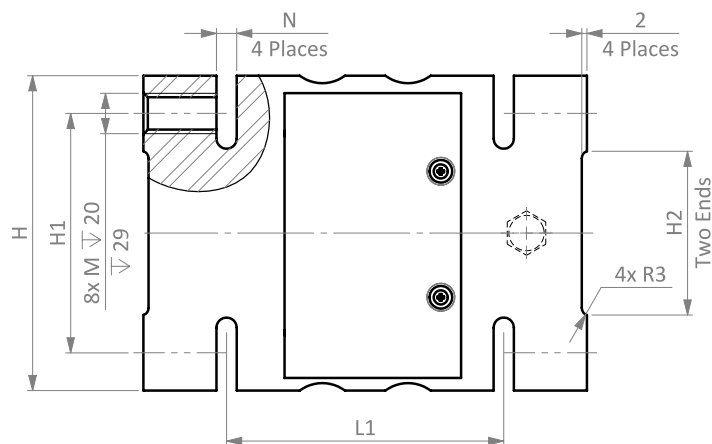


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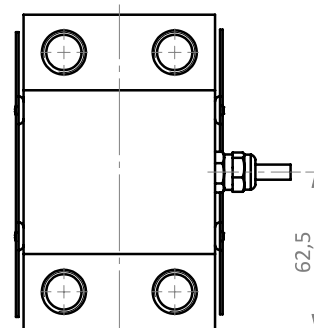
Type H6F Load Cell

Dimensions in mm

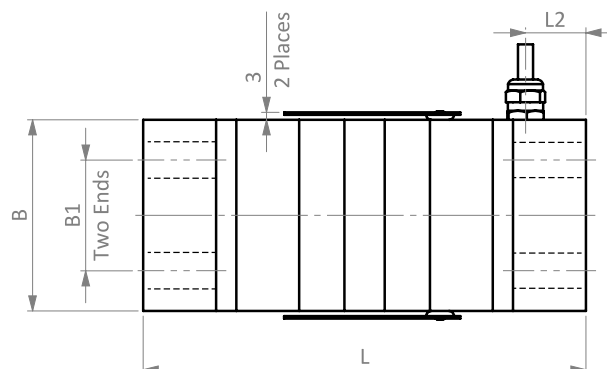
Front View



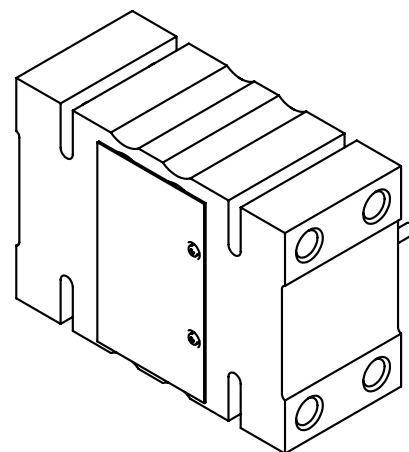
Side View



Top View



Isometric View



Dimension Capacity	B	B1	H	H1	H2	L	L1	L2	M	N
100 – 200kg	44	24	75	50	30	156	112	14	M12	5
250 – 500kg	60	36	95	70	30	146	110	11	M12	5
750kg – 2000kg	76	46	125	95	65	176	110	24	M16	8