

H6F

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



Available models

Capacity	Accuracy	Full article description
100 kg	C3	H6F-C3-100kg-3B6
150 kg	C3	H6F-C3-150kg-3B6
200 kg	C3	H6F-C3-200kg-3B6
250 kg	C3	H6F-C3-250kg-3B6
500 kg	C3	H6F-C3-500kg-3B6
750 kg	C3	H6F-C3-750kg-3B6
1000 kg	C3	H6F-C3-1000kg-3B6
2000 kg	C3	H6F-C3-2000kg-3B6

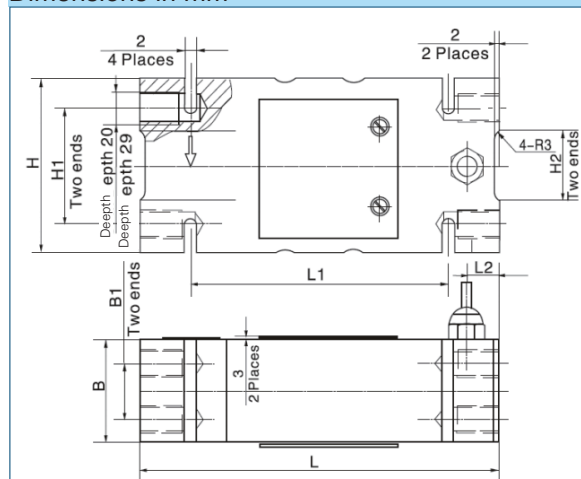


Specification

Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (E _{max})	kg	100, 150, 200, 250, 500, 750, 1000, 2000
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = E _{max} / v _{min}		7500
Combined error	%FS	± 0.020
Minimum dead load	of E _{max}	0%
Safe overload	of E _{max}	150 %
Ultimate overload	of E _{max}	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Input resistance	Ω	400 ± 20
Output resistance	Ω	351 ± 2
Insulation resistance	MΩ	≥ 5000 (50VDC)
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Nickel plated alloy steel
Ingress protection (according to EN 60529)		IP66
Recommended torque on fixation	N.m	M12:75 (Below 500kg) M16:200 (750kg–2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Note: "S1" output sensitivity is 2.0 ± 0.002mV/V, input resistance is 384 ± 4

Dimensions in mm



Dimension Capacity	50kg	250kg	750kg
B	44 (1.73)	60 (2.36)	76 (2.99)
B1	24 (0.94)	36 (1.42)	46 (1.81)
H	75 (2.95)	95 (3.74)	125 (4.92)
H1	50 (1.97)	70 (2.76)	95 (3.74)
H2	30 (1.18)	30 (1.18)	65 (2.56)
L	156 (6.14)	146 (5.75)	176 (6.93)
L1	112 (4.4)	110 (4.33)	110 (4.33)
L2	14 (0.55)	11 (0.43)	24 (0.94)
M	M12	M12	M16

Wiring

- Shielded, 6 conductor cable.
- Cable diameter: Φ 6.2mm
- Standard cable length: 3m
- Shield not connected to element