H2F



- Nickel plated alloy steel IP67 compression load cell
- High accuracy
- Suitable for hanging, hopper and other electronic weighing devices

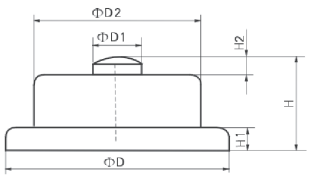
Available models

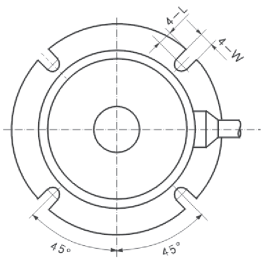
Capacity	Accuracy	Full article description
1 t	C3	H2F–C1/C2–1t–3T6
2 t	C3	H2F–C1/C2–2t–3T6
3 t	C3	H2F–C1/C2–3t–3T6
5 t	C2	H2F–C1/C2–5t–4T6
10 t	C2	H2F–C1/C2–10t–4T6
15 t	C1	H2F–C1/C2–15t–5T6
20 t	C1	H2F–C1/C2–20t–5T6
30 t	C1	H2F–C1/C2–30t–5T6
50 t	C1	H2F–C1/C2–50t–5T6

Specification

Accuracy class		C1	C2	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.01		
Maximum capacity (E_{max})	t	1/2/3/5/10/15/20/30/50		
Maximum number of load cell intervals (nLC)		1000	2000	3000
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		3000	5000	7500
Combined error	%FS	± 0.050	± 0.030	± 0.020
Minimum dead load	%FS	0		
Safe overload	%FS	150%		
Ultimate overload	%FS	300%		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5~12(DC)		
Excitation maximum	V	18(DC)		
Input resistance	Ω	770 ± 30		
Output resistance	Ω	700 ± 5		
Insulation resistance	MΩ	⩾ 5000(50VDC)		
Compensated temperature	℃	–10~+40		
Operating temperature	℃	–35~+65		
Storage temperature	℃	–40 ~ +70		
Element material		Alloy steel		
Ingress protection (according to EN 60529)		IP67		
Recommended torque on fixation	N.m	M8:25	M10:50	M12:75

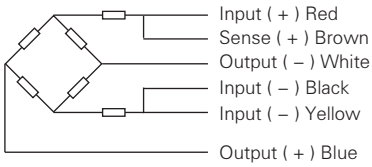
Dimensions in mm





Dimension (mm) / Capacity(t)	D	D1	D2	H	H 1	H2	L	W
0.5,1	115 (4.53)	22 (0.87)	86 (3.39)	43 (1.69)	12 (0.47)	5 (0.20)	8 (0.31)	8.4 (0.33)
2	120 (4.72)	26 (1.02)	90 (3.54)	45 (1.77)	12 (0.47)	5 (0.20)	8 (0.31)	8.4 (0.33)
3	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.20)	7 (0.28)	10.4 (0.41)
5	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.20)	7 (0.28)	10.4 (0.41)
10	160 (6.30)	40 (1.57)	120 (4.72)	63 (2.48)	15 (0.59)	10 (0.39)	10 (0.39)	10.4 (0.41)
15	194 (7.64)	42 (1.65)	154 (6.06)	68 (2.68)	20 (0.79)	10 (0.39)	12 (0.47)	12.4 (0.49)
20	220 (8.66)	44 (1.73)	170 (6.69)	73 (2.87)	22 (0.87)	10 (0.39)	12 (0.47)	12.4 (0.49)
30	230 (9.06)	48 (1.89)	188 (7.4)	78 (3.07)	25 (0.98)	10 (0.39)	12 (0.47)	12.4 (0.49)
50	264 (10.39)	52 (2.05)	214 (8.43)	90 (3.54)	30 (1.18)	10 (0.39)	12 (0.47)	12.4 (0.49)

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length for 1t – 3t: 3m, for 5t – 10t: 4m and for 15t – 50t: 5m.
- Shield not connected to element.