H2F

FEATURES

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



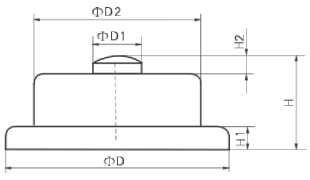
AVAILABLE MODELS

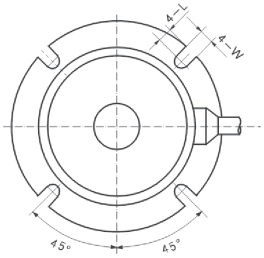
0.5t-3.0t	C3	H2F-C3-xx-3T6
5.0t,10t	C2	H2F-C2-xxt-4T6
15t,20t,30t,50t	C1	H2F-C1-xxt-5T6

SPECIFICATION

Maximum capacity (E_{max})	t	15/20/30/50	5/10	0.5/1/2/3
Accuracy class		C1	C2	C3
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
Output sensitivity (=FS)	mV/V	2.0±0.01		
Minimum dead load	%FS	0		
Input resistance	Ω	770±30		
Output resistance	Ω	700±5		
Insulation resistance	MΩ	≥5000 (50VDC)		
Zero balance	%FS	±1.5		
Compensated temperature	℃	-10~+40		
Operating temperature	℃	-35~+70		
Excitation, recommended voltage	V	5~12 (DC)		
Excitation maximum	V	18 (DC)		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
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

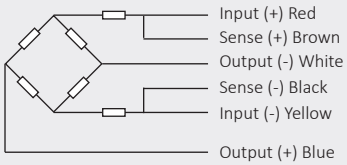
DIMENSIONS IN MM





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 (0.2)	8 (0.31)	8.4 (0.33)
2	120 (4.72)	26 (1.02)	90 (3.54)	45 (1.77)	12 (0.47)	5 (0.2)	8 (0.31)	8.4 (0.33)
3	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
5	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
10	160 (6.3)	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 0.5t- 3t: 3m, for 5t- 10t: 4m and for 15t- 50t: 5m.
- Shield is not connected to element.