

H3F

- Nickel plated alloy steel IP67 “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions

Available models

Capacity	Accuracy	Full article description
100kg	C3	H3F-C3-100kg-6T
250kg	C3	H3F-C3-250kg-6T
500kg	C3	H3F-C3-500kg-6T
750kg	C3	H3F-C3-750kg-6T
1t	C3	H3F-C3-1t-6T
1.5t	C3	H3F-C3-1.5t-6T
2t	C3	H3F-C3-2t-6T
2.5t	C3	H3F-C3-2.5t-6T
5t	C3	H3F-C3-5t-6T

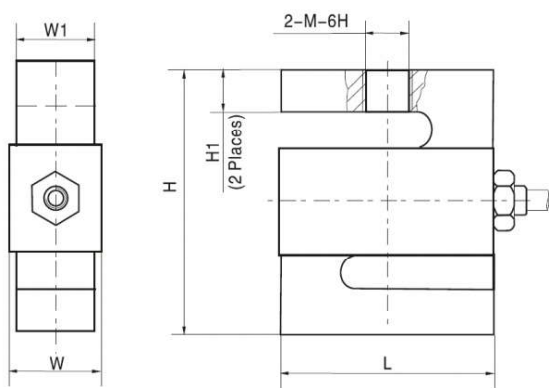


Non OIML approved Certificate no. 06-099A1

Specification

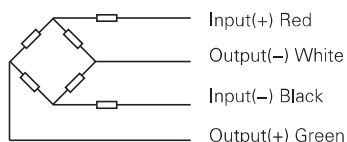
Accuracy class		C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008
Maximum capacity (Emax)	t	0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 5
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.020
Minimum dead load	of Emax	0
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Alloy steel
Ingress Protection (according to EN 60529)		IP67
Recommended torque on fixation	N.m	M10: 50 M12:75 M18: 300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm



Capacity	Dimension (mm)	H	W	W1	L	H 1	M
100kg		76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	15.8	M10 × 1.5
250kg		76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	15.12	M12 × 1.75
500kg		76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	14.2	M12 × 1.75
750kg		76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	13.46	M12 × 1.75
1t		76.2 (3.0)	31.8 (1.25)	25.4 (1.0)	50.8 (2.0)	13.24	M12 × 1.75
1.5t		76.2 (3.0)	31.8 (1.25)	25.4 (1.0)	50.8 (2.0)	11.82	M12 × 1.75
2t		108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	26.7	M18 × 1.5
2.5t		108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	25.48	M18 × 1.5
5t		108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	20.26	M18 × 1.5

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 6m.
- Shield not connected to element