

NTEP certificate no. 06-099A1



- Alloy steel IP67 S-type load cell
- High accuracy
- Suitable for crane, hopper and mechanical conversion scales

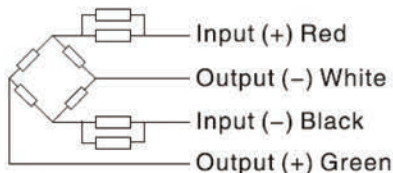
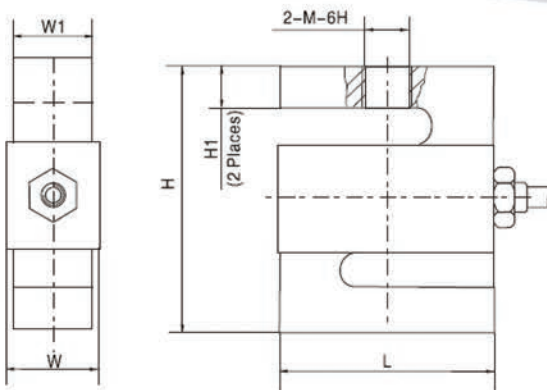


Capacity	Accuracy	Part-Number
xxx kg	C3	H3F-C3-xxxkg-6T
x t	C3	H3F-C3-xt-6T
xxx lb	N5	H3F-N5-xxxlb-6YT
xx klb	N5	H3F-N5-xxK-6YT

Specification:

Accuracy class		C3	N5
		Output sensitivity (= FS)	mV/V
Maximum capacity (E _{max})	t	0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 5	
	klb	0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 5, 7.5, 10, 15, 20	
Maximum number of load cell intervals (n _{LC})		3000	5000
Ratio of minimum LC verification interval Y = E _{max} / v _{min}		10000	15000
Combined Error	%FS	≤ ± 0.020	≤ ± 0.0260
Safe overload	of E _{max}	150 %	
Ultimate overload	of E _{max}	300 %	
Zero balance	of FS	≤ ± 1.0 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Terminal resistance, input	Ω	350 ± 3.5	
Terminal resistance, output	Ω	351 ± 2	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Element material		Alloy steel	
Ingress Protection (according to EN 60529)		IP67	
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C II3G nL IIC T4

Outline Dimensions in mm (inch)



Wiring:

Adopt shielded, 4 conductor cable: Ø5mm
Standard cable length: 6m

Capacity	H	w	w1	L	H1	M
100kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.8(0.62)	M10x1.5
250kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.12(0.6)	M12x1.75
500kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.2(0.56)	M12x1.75
750kg	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	13.46(0.53)	M12x1.75
1000kg	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.24(0.52)	M12x1.75
1500kg	76.2(3)	27(1.06)	25.4(1)	50.8(2)	11.82(0.47)	M12x1.75
2000kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	26.7(1.05)	M18x1.5
2500kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	25.48(1)	M18x1.5
5000kg	108(4.25)	27(1.06)	25.4(1)	76.2(3)	20.26(0.8)	M18x1.5
250lb	76.2(3)	14.3(0.56)	12.7(0.5)	50.8(2)	15.69(0.62)	3/8-24UNF-2B
500lb	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	15.25(0.6)	1/2-20UNF-2B
750lb	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.95(0.59)	1/2-20UNF-2B
1k	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	14.4(0.57)	1/2-20UNF-2B
1.5k	76.2(3)	20.6(0.81)	19(0.75)	50.8(2)	13.75(0.54)	1/2-20UNF-2B
2k	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.4(0.53)	1/2-20UNF-2B
2.5k	76.2(3)	27(1.06)	25.4(1)	50.8(2)	13.03(0.51)	1/2-20UNF-2B
3k	76.2(3)	27(1.06)	25.4(1)	50.8(2)	12.39(0.49)	1/2-20UNF-2B
5k	108(4.25)	27(1.06)	25.4(1)	76.2(3)	27.18(1.07)	3/4-16UNF-2B
7.5k	108(4.25)	27(1.06)	25.4(1)	76.2(3)	25.78(1.01)	3/4-16UNF-2B
10k	108(4.25)	27(1.06)	25.4(1)	76.2(3)	23.88(0.94)	3/4-16UNF-2B
15k	140(5.51)	33.4(1.31)	31.8(1.25)	100(3.94)	31(1.22)	1-14UNS-2B
20k	177.8(7)	50.9(2)	49.3(1.94)	125.5(4.94)	39.9(1.57)	1-1/4-12UNF-2B