

Datasheet: H3F load cell

NTEP certificate no. 06-099A1

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

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

Specification:

Accuracy class		C3	N5
Output sensitivity (= FS)	mV/V	3.0 ± 0.008	
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		350 ± 3.5	
Terminal resistance, output		351 ± 2	
Insulation impedance	M	• 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)