B6G5/H6G5

- Stainless/ alloy steel IP67 single point load cell
- Suitable for platform, belt and other electronic scales
- Maximum platform size: 50kg–1t: 600 x 800 ,2t: 1000 x 1000 mm



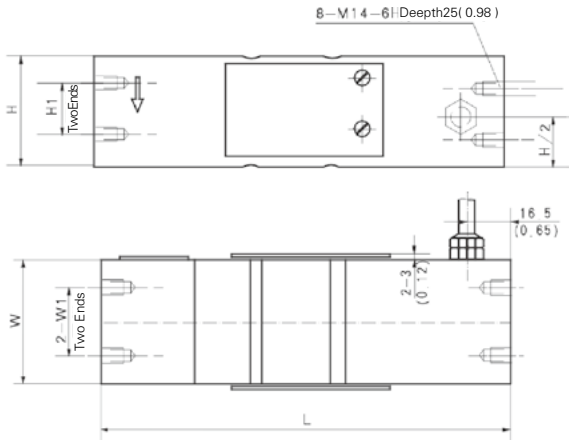
Available models

Capacity	Accuracy	Full article description
xxkg	C3	B6G5/H6G5–C3–xxkg–3B6
xxkg	C3	B6G5/H6G5–C3–xxkg–3G6
"G" the Insulation resistance between bridge		

Specification

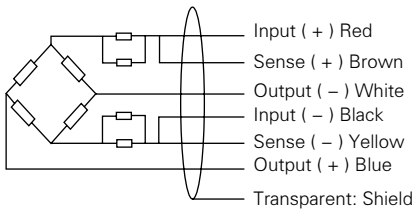
Maximum capacity (E_{max})	t	0.05/0.1/0.15/0.2/0.25/0.3/0.4/0.5/0.6/0.75/1/1.5/2		
Accuracy class		C3		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		10000		
Combined error	%FS	± 0.020		
Creep	%FS/30min	± 0.016		
Temperature effect on sensitivity	%FS/10℃	± 0.011		
Temperature effect on zero	%FS/10℃	± 0.015		
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Input resistance	Ω	400 ± 20		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Zero balance	%FS	± 1.5		
Compensated temperature	℃	–10~+40		
Operating temperature	℃	–35~+65		
Excitation, recommended voltage	V	5~12 (DC)		
Excitation maximum	V	18 (DC)		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
Corner correction		0.02%load value/100mm		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD20 T73℃	II3G Ex nL II C T4
Note: "S1" output sensitivity is 2.0 ± 0.002mV/V, input resistance is 384 ± 4				

Dimensions in mm



Capacity \ Dimension	50kg~1t	1.5t~2t
L	150 (5.91)	150 (5.91)
H	77 (3.03)	88 (3.46)
H1	46 (1.81)	55 (2.17)
W	68 (2.68)	76 (2.99)
W1	38 (1.50)	42 (1.65)

Wiring



- Adopt shielded, 4 conductor cable: Φ6.2mm
- Standard cable length: 3m