

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

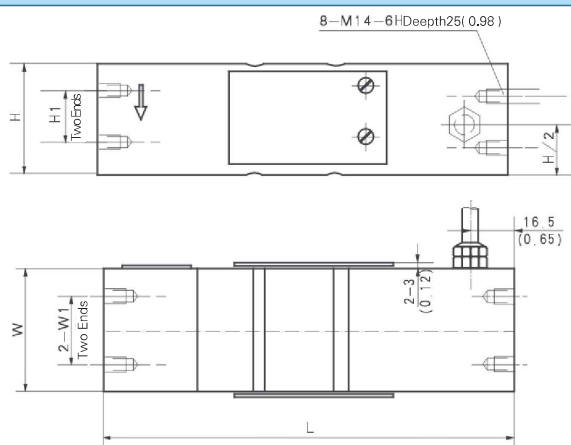
"G" The Insulation impedance Between Bridge

Specification

Maximum capacity (Emax)	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 verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.002
Terminal resistance, input	Ω	384 ± 4
Terminal resistance, output	Ω	350 ± 3.5
Insulation impedance	MΩ	≥ 5000 (50VDC)
Zero balance	%FS	± 1.5
Temperature, compensated	°C	–10~+40
Temperature range, operating	°C	–35~+70
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
Corner Correction		0.02%load value/100mm
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

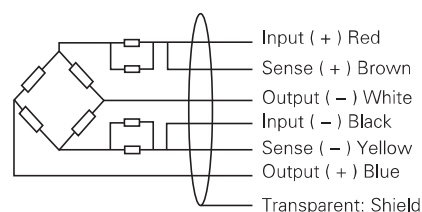
Note: "S1" Output Sensitivity is 2.0+/-0.002mv

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