B6F

- Stainless steel IP67 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Maximum platform size:
  for 50kg–200kg: 400 x 400 mm
  for 250kg–500kg: 600 x 800 mm
  for 750kg–2t: 1200 x 1200 mm



test certificate no. TC7867 Revision 0 C of C no R60/2000–NL1–10.31

Available models

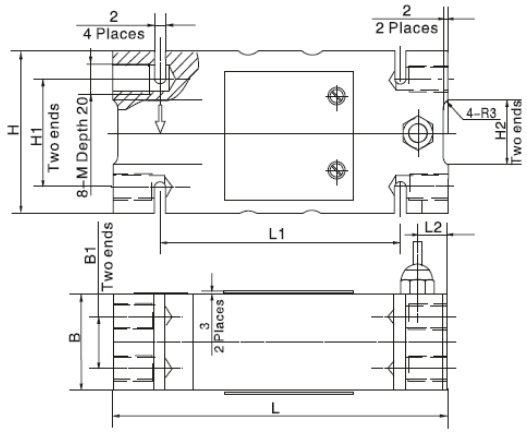
Capacity	Accuracy	Full article description
100 kg	C3 not approved	B6F–C3–100kg–3B6
150 kg	C3 not approved	B6F–C3–150kg–3B6
200 kg	C3 not approved	B6F–C3–200kg–3B6
250 kg	C3 not approved	B6F–C3–250kg–3B6
500 kg	C3	B6F–C3–500kg–3B6
750 kg	C3	B6F–C3–750kg–3B6
1000 kg	C3	B6F–C3–1000kg–3B6
2000 kg	C3	B6F–C3–2000kg–3B6

Specification

Accuracy class		C3	OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (E_{max})	kg	100/150/200/250	500/750/1000/2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = E_{max} / vmin		10000	
Combined error	%FS	± 0.023	
Safe overload	%FS	150 %	
Ultimate overload	%FS	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Input resistance	Ω	400 ± 20	
Output resistance	Ω	350 ± 3.5	
Insulation resistance	MΩ	⩾ 5000 (50VDC)	
Compensated temperature	℃	–10 ~+40	
Operating temperature	℃	–35 ~ +65	
Storage temperature	℃	–40 ~ +70	
Element material		Stainless steel	
Ingress protection (according to EN 60529)		IP67	
Recommended torque on fixation	N.m	M12:75(Below 500kg)	M16:200(750kg–2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃ / II3G Ex nL IIC T4

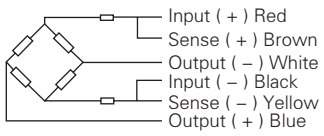
Note: "S1" output sensitivity is 2.0 ± 0.002mV/V, input resistance is 384 ± 4

Dimensions in mm



Dimension / Capacity	50kg – 200kg	250kg – 500kg	750kg – 2t
B	44 (1.73)	60 (2.36)	76 (2.99)
B1	24 (0.94)	36 (1.42)	46 (1.81)
H	75 (2.95)	95 (3.74)	125 (4.92)
H1	50 (1.97)	70 (2.76)	95 (3.74)
H2	30 (1.18)	30 (1.18)	65 (2.56)
L	156 (6.14)	146 (5.75)	176 (6.93)
L1	112 (4.4)	110 (4.33)	110 (4.33)
L2	14 (0.55)	11 (0.43)	24 (0.94)
M	M12	M12	M16

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ 6.2mm.
- Standard cable length: 3m.
- Shield not connected to element.