

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



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



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

Specification

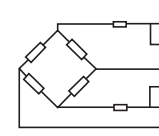
Accuracy class		C3	OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	100, 150, 200, 250	500, 750, 1000, 2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		5000	12000
Combined error	%FS	± 0.023	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	385 ± 4	
Terminal resistance, output	Ω	350 ± 3.5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP67	
Recommended torque on fixation bolts	N.m	M12:100 (Below 500kg)	M16:160 (750kg–2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C
		II3G Ex nL IIC T4	

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

Dimensions in mm

Dimension	50kg	250kg	750kg
Capacity	200kg	500kg	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

	Input (+) Red Sense (+) Brown Output (-) White Input (-) Black Sense (-) Yellow Output (+) Blue
- Shielded, 6 conductor cable. - Cable diameter: Φ 6.2mm. - Standard cable length: 3m. - Shield not connected to element.	