

Datasheet: B3G load cell

OIML test certificate no. D09-06.07
 OIML C of C no. R60/2000-CNI-06.02
 NTEP certificate no. 06-099A1

Capacity	Accuracy	Part-Number
50 kg	C3	B3G-C3-50kg-6B
100 kg	C3	B3G-C3-100kg-6B
250 kg	C3	B3G-C3-250kg-6B
500 kg	C3	B3G-C3-500kg-6B
1.0 t	C3	B3G-C3-1.0t-6B
2.5 t	C3	B3G-C3-2.5t-6B
5.0 t	C3	B3G-C3-5.0t-6B
7.5 t	C3	B3G-C3-7.5t-6B
10 t	C3	B3G-C3-10.0t-6B

- x Stainless steel IP67 "S" type load cell
- x Tension and compression applications
- x Suitable for hanging, hopper and other weighing devices
- x Also available in imperial capacities and dimensions

Specification:

Accuracy class		OIML R60 C3		
Output sensitivity (= FS)	mV/V	3.0 ± 0.008		
Maximum capacity (E _{max})	t	0.05/0.1	0.25/0.5/1/2.5	5/7.5/10
Maximum number of load cell intervals (n _{LC})		3000		
Ratio of minimum LC verification interval $Y = E_{max} / v_{min}$		7000	10000	12000
Combined Error	%FS	" ± 0.0200		
Minimum dead load	kg	0		
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		430 ± 50		
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		Stainless 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