

BWGA Single beam load cell

Description

Capacities: (E_{max})
10,20,50,100,200,250kg

Rated output:
2.0mV/V
Digital:1,000,000d

Accuracy:
C3 OIML R60

Material of elastomer:
Alloy steel or stainless steel

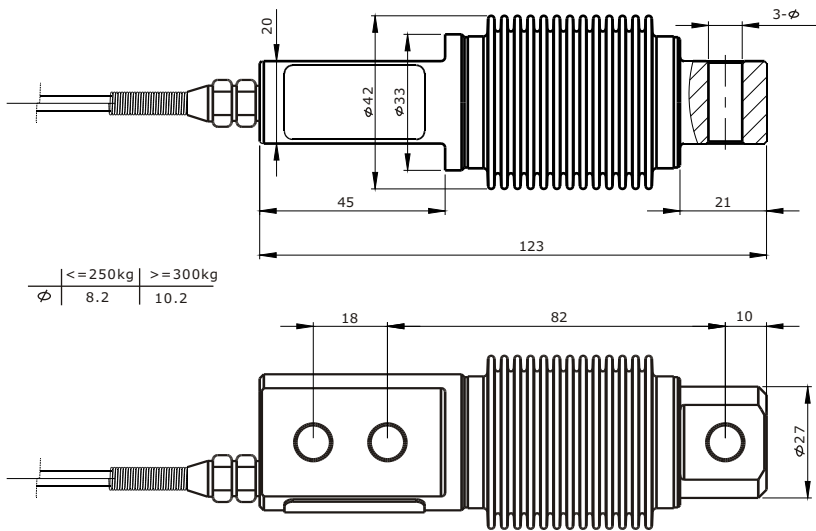
Execution standard:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error: 0.015%

Sealed to IEC 529:
Protection grade: IP67 or IP68.
Protection against total immersion
in water for 30 minutes at a pressure
corresponding to a 1 m head of water.



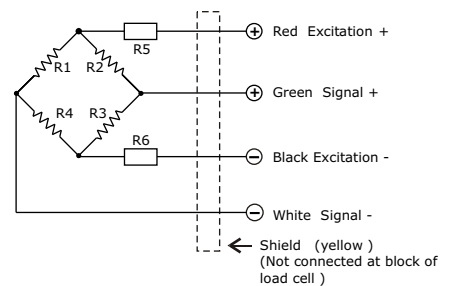
Dimensions

(In mm. 1mm = 0.03937 inches)



Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
3m
Diameter: φ6
Connection:
Refer to the following drawing:



Notice:

Do not change the length of cable, or lese, it will effect the sensitivity of load cell.

Specification

Item \ Parameter	C3	Unit
Rated load (E _{max}):	10,20,50,100,200,250	kg
Maximal numbers of load cell verification Intervals (N _{ic}):	3000	d
Minimum load cell verification intervals Intervals (V _{min}):	0.01	% of rated load
Rated output (C _n):	2.0±0.1%	mV/V
*Combined error:	0.015	±% of rated output
Temperature effect on sensitivity(T _k c):	0.0012	±% of rated output/°C
Temperature effect on zero balance(T _k 0):	0.0008	±% of rated output/°C
Zero balance:	1.0	±% of rated output
Input resistance(R _{ic}):	385±5	Ω (Ohms)
Output resistance(R _o):	351±2	Ω (Ohms)
Insulation resistance:	≥5000	MΩ (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range:	-20~-+70/-20~-+160	°C /°F
Recommend excitation:	8~15	V(DC or AC)
Maximum excitation:	18	V(DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	

The data for deviation of synthesis error,TK0,TKc are typicl values. The sum of these data meets the requirements according to OIML R60

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MAKEN
MAKEN Im & Ex

Ningbo Maken Import & Export Co.,Ltd.
Add:No.18,YangShaShan West 9 Road, Chunxiaio,
Ningbo Economic&Technical Development Zone,China
ZIP:315800

Tel: +86-574-8680 6565 0574-8680 6866
Fax: +86-574-8680 6862 0574-8680 6866
E-mail: sales@makenie.com maken@makenie.com
http://www.makenie.com www.maken.biz