

EQB 5t/10t Single beam load cell

Description

Capacities: (Emax)

0.1,0.2,0.3,0.5,1,2,3,5,10t

Rated output:

2.0mV/V, 3.0mV/V

Digital: 1,000,000d

Grade/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:

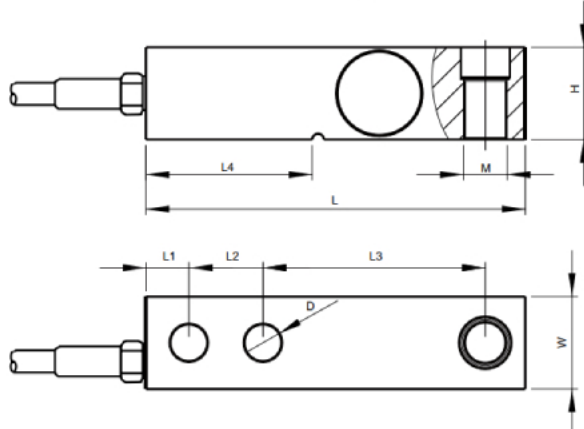
Protection grade: IP67 or IP68.

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)



CAP./SIZE	L	L1	L2	L3	L4	W/H	D	M
0.1~0.5t	130	12.7	25.4	76.2	54	31.8	12.7	M12
1~3t	130	12.7	25.4	76.2	54	31.8	12.7	M16
5t	171.5	19.1	38.1	95.3	77	38.1	21	M18*1.5
10t	225.6	25.4	50.8	124	104	50.8	26	M24*2

Circuit Diagram

Electrical Termination

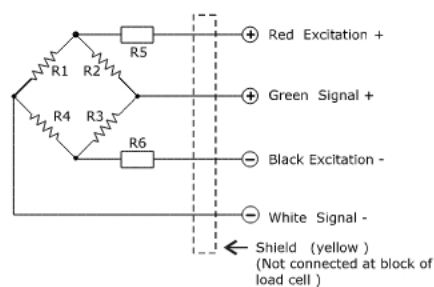
4 Core cable standard lengths:

0.1~3t: 3m, 5t: 6m

Diameter: $\phi 5$

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(Emax):	0.1,0.2,0.3,0.5,1,2,3,5,10	t
Maximal numbers of loadcell verification intervals (Nlc):	3000	d
Minimum number of loadcell verification intervals (Vmin)	0.01	% of rated load
Rated output (Cn):	2.0 $\pm$ 0.1%	mV/V
*Combined error:	0.015	% of rated output
Temperature effect on sensitivity (TKc):	0.0012	% of rated output/ $^{\circ}$ C
Temperature effect on zero balance (TK0):	0.0008	% of rated output/ $^{\circ}$ C
Zero balance:	1.0	% of rated output
Input resistance (Rlc):	385 $\pm$ 10	Ω (Ohms)
Output resistance (Ro):	351 $\pm$ 2	Ω (Ohms)
Insulation resistance:	≥ 5000	M Ω (Mega-Ohms)
Safe overload:	150%	% of rated capacity
Operating temperature range:	-20~+70(180 Optional)	$^{\circ}$ C
Recommend excitation:	5~12	V(DC or AC)
Maximum excitation:	18	V(DC or AC)
Material of elastomer:	Alloy Steel / Stainless Steel	
Protection class:	IP67/IP68	

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