

QSB Double beam load cell

Description

Capacities: (E_{max})
10,20,25,30,40,50,75klbs

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

Accuracy:
C3 OIML R60

Material of elastomer:
Alloy steel or stainless steel

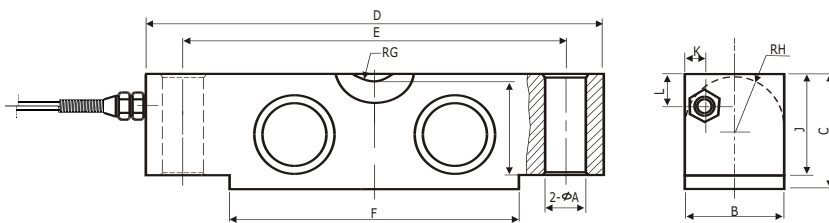
Execution standard:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error: 0.015%

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

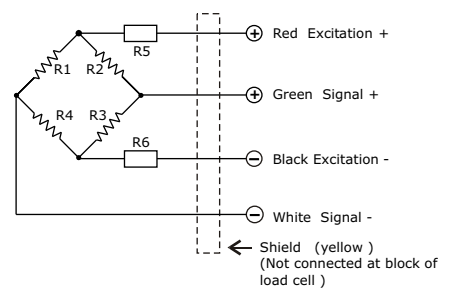
(In mm. 1mm = 0.03937 inches)



CAP./SIZE (klb)	A	B	C	D	E	F	G	H	I	J	K	L
10~25	17.3	42.9	49.3	196.9	165.1	125.1	19.1	22.9	41.4	43.2	8.8	13.6
40	20.6	49.3	62.0	260.4	215.9	162.4	25.4	28.5	50.8	53.3	9.0	31.0
50~75	27.0	60.2	74.7	260.4	215.9	162.4	25.4	34.8	64.5	67.3	10.4	37.4

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
<=40klbs: 6.0 m, >=50klbs: 12.0m
Diameter: $\phi 6$
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}):	10,20,25,30,40,50,75	klbs
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 _{kc}):	0.0012	±% of rated output/°C
Temperature effect on zero balance(T _{k0}):	0.0008	±% of rated output/°C
Zero balance:	1.0	±% of rated output
Input resistance(R _{ic}):	775 ± 5	Ω (Ohms)
Output resistance(R _o):	702 ± 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:	24	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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