

Q-40

Double-Ended Shear Beam Load Cell

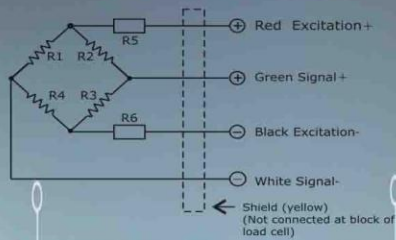
Ideally use for Road weighbridge, Tank Weighing & Process applications



Mode of Connection 10t, 20t, 30t, 40t, 50t, 60t

Input +: Red
Input -: Black
Output +: Green
Output -: White

Circuit Diagram



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



Features

Capacities: (E_{max})
10,20,30, 40, 50, 60t.

Output:
2.0mV/V
Digital:1,000,000d.

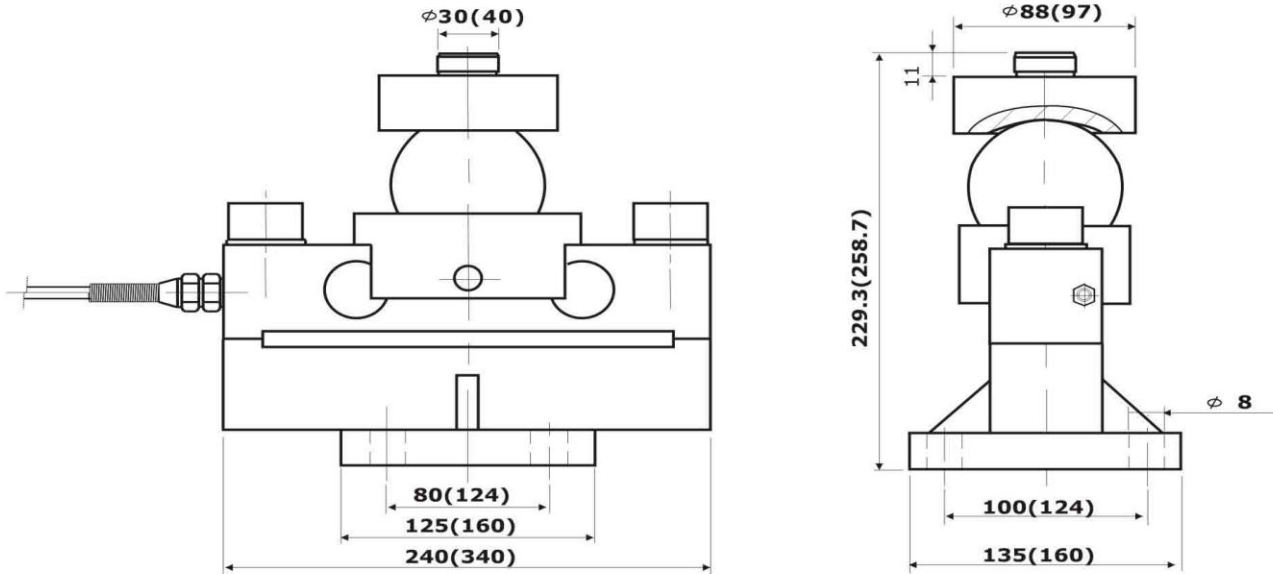
Accuracy:
C4 OIML R60.

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)



Note:
(**) are for QS-50t

Specification

Item \ Parameter	C4	Unit
Rated load (E _{max}):	10,20,30,40,50,60	t
Maximal numbers of load cell verification Intervals (N _{lc}):	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/
Temperature effect on zero balance (T _{ko}):	0.0008	±% of rated output/
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	

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Web: www.q-techkorea.com
Email: sales@q-techkorea.com

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