

SQC-M Single beam with mounting

Description

Capacities: (E_{max})
0.1, 0.2, 0.5, 1, 2, 3, 5t

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

Accuracy:
C3 OIML R60

Material of elastomer:
Alloy steel or stainless steel

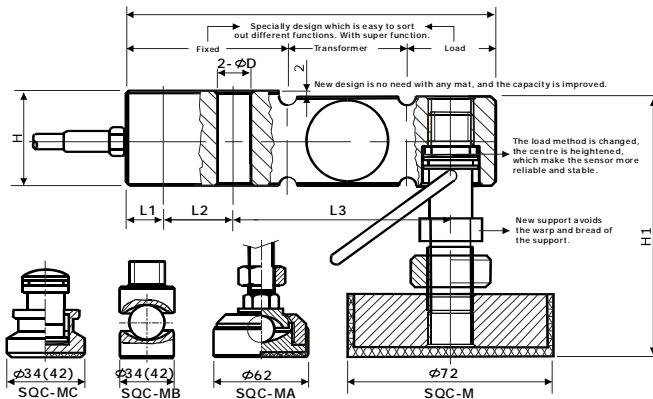
Execution standard:
GB/T 7551-1997 Certificate
(eqv OIML R60)
Combined error: 0.015%

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: (xx) are for 5t

CAP./SIZE	L	L1	L2	L3	D	H	H1 SQC-M	H1 SQC-MA	H1 SQC-MB	H1 SQC-MC
0.1~3t	130	12.7	25.4	76.2	12.7	33.8	74~84	78~88	73.5	59
5t	171.5	19.1	38.1	95.3	20.5	41	82-92	86-96	85	80.8

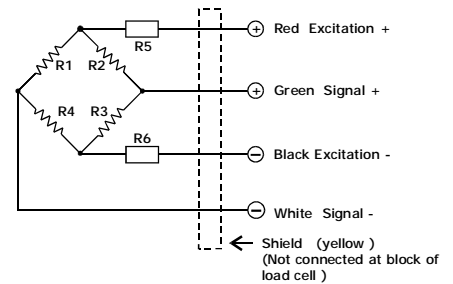
Specification

Item\ Parameter	C3	Unit
Rated load (E_{max}):	0.1, 0.2, 0.5, 1, 2, 3, 5	t
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}):	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, T_{k0} , T_{kc} are typical values. The sum of these data meets the requirements according to OIML R60

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
0.1~3t: 3m, 5t: 6m
Diameter: φ5
Connection:
Refer to the following drawing:



Notice:

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

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