

TSC S type load cell

Description

Capacities: (E_{max})
0.5,1,2,3,5,7.5,10,20t

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

Accuracy:
C3 OIML R60

Material of elastomer:
Alloy steel or stainless steel

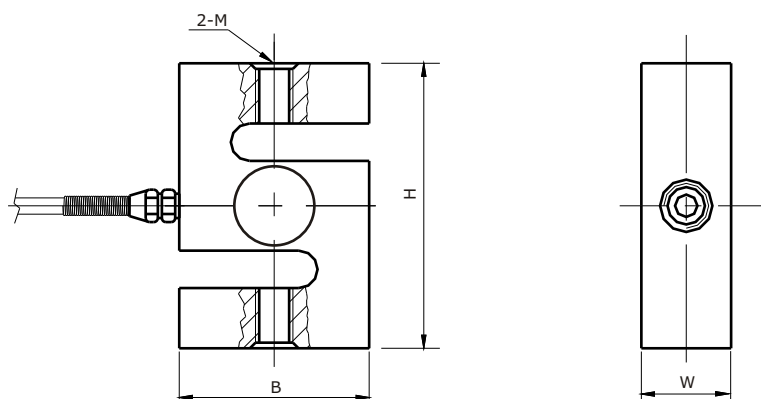
Execution standard:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error: 0.015%

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	H	B	W	M
0.5,1,2,3t	86	64	28	M16
5t	106	80	36	M24*2
7.5,10t	178	130	51	M30*2
15,20t	190	160	60	M39*2

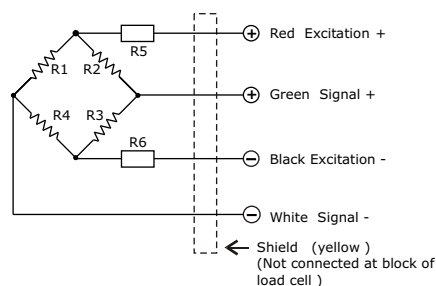
Specification

Item\ Parameter	C3	Unit
Rated load (E_{max}):	0.5,1,2,3,5,7.5,10,20	t
Maximal numbers of load cell verification Intervals (Nlc):	3000	d
Minimum load cell verification intervals Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	$2.0 \pm 0.1\%$	mV/V
*Combined error:	0.015	$\pm\%$ of rated output
Temperature effect on sensitivity(Tkc):	0.0012	$\pm\%$ of rated output/ $^{\circ}\text{C}$
Temperature effect on zero balance(Tk0):	0.0008	$\pm\%$ of rated output/ $^{\circ}\text{C}$
Zero balance:	1.0	$\pm\%$ of rated output
Input resistance(Rlc):	385 ± 5	Ω (Ohms)
Output resistance(Ro):	351 ± 2	Ω (Ohms)
Insulation resistance:	≥ 5000	M Ω (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range:	-20 $\sim$ +70/-20 $\sim$ +160	$^{\circ}\text{C}$ / $^{\circ}\text{F}$
Recommend excitation:	8 $\sim$ 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

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
1 $\sim$ 3t: 3m, 5 $\sim$ 10t: 6m, 20t: 10m
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.

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