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 7551-1997 Certificate

(eqv OIML R60)

Combined error: 0.015%

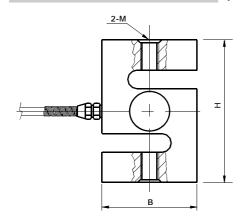
Sealed to IEC 529:

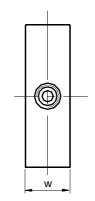
Protection grade: IP67 or IP68. Protection against total immersion in water for 30 minutes at a pressure corresponding to a 1 m head of water.



Dimensions

(In mm. 1mm = 0.03937 inches)

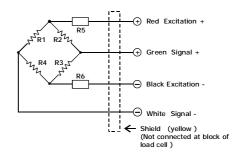




	CAP./SIZE	Н	В	W	M
	0.5,1,2,3t	86	64	28	M16
	5t	106	80	36	M24*2
_	7.5,10t	178	130	51	M30*2
	15.20t	100	160	60	M20*2

Circuit Diagram

Electrical Termination 4 Core cable standard lengths: 1~3t: 3m, 5~10t: 6m, 20t: 10m Diameter: Φ6 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):	0.5,1,2,3,5,7.5,10,20	t	
Maximal numbers of load cell verification Intervals (NIc):	3000	d	
Minimum load cell verification intervals Intervals (Vmin):	0.01	% of rated load	
Rated output (Cn):	2.0±0.1%	mV/V	
*Combined error:	0.015	±% of rated output	
Temperature effect on sensitivity(Tkc):	0.0012	\pm % of rated output/℃	
Temperature effect on zero balance(Tk0):	0.0008	±% of rated output/℃	
Zero balance:	1.0	±% of rated output	
Input resistance(Rlc):	385±5	Ω (Ohms)	
Output resistance(Ro):	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,TK0,TKc are typicI values. The sum of these data meets the requirements according to OIML R60

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