

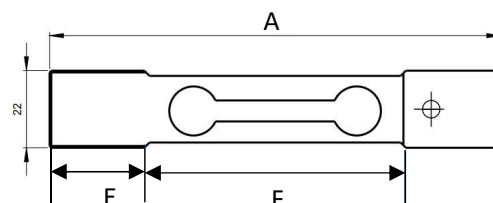


MK TPS1 Single Point Load Cell

Material of elastomer:
Aluminum

Dimensions

(In mm. 1mm=0.03937inches)



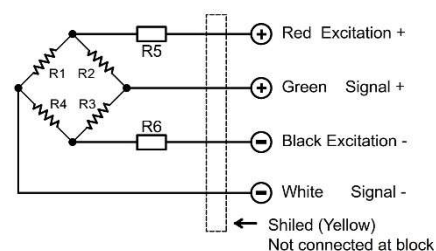
Capacities kg	A	B	C	D	E	F	G
0.3,0.6,1,3	70	58	15	7	12	46	M3
6,10,15,20	130	106	30	15	25	80	M6
25,30	130	106	40	15	25	80	M6
50,100,200,250	130	106	50	25	27	76	M8

Specification

Item \ Parameter	C3	Unit
Rated load (E_{MAX}): 0.3, 0.6, 1, 3, 6, 10,15, 20, 25, 30, 50, 100, 200, 250 .		kg
Maximal numbers of load cell verification Intervals (Nlc):	2000	d
Minimum load cell verification Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	2.0 $\pm$ 0.5 %	mV/V
*Combined error:	0.024	$\pm$ % of rated output
Temperature effect on sensitivity(Tkc):	0.0012	$\pm$ % of rated output/ $^{\circ}$ C
Temperature effect on zero balance(Tk0):	0.0008	$\pm$ % of rated output/ $^{\circ}$ C
Zero balance:	1.0	$\pm$ % of rated output
Input resistance(Rlc):	410 $\pm$ 15	Ω (Ohms)
Output resistance(Ro):	350 $\pm$ 3	Ω (Ohms)
Insulation resistance:	$\geq$ 5000	M Ω (Mega-Ohms)
Safe overload: Ultimate overload	150 300	% of rated capability
Operating temperature range:	-20~+70	$^{\circ}$ C
Recommend excitation:	5~12	V(DC or AC)
Maximum excitation:	18	V(DC or AC)
Material of elastomer:	Aluminum (Protection class:IP 65)	
Platforms	$\leq$ 3kg(200x200), $\geq$ 6kg(250x350mm)	

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
0.5m & 0.3m
Diameter: Φ 4 x 0.4
Connection:
Refer to the following drawing:



Notice:
6 Cores cable is optional.
Do not change the length of cable, or lease, it will effect the sensitivity of load cell.

