



MK TPC3 Single ended shear beam

Material of elastomer:
Alloy steel or stainless steel

Description

Capacities: (E_{MAX})

50,100,150,200,250,500kg & 1t,2t,2.5t(SE),2.5t,3t,5t,7.5t,10t.
100,200,250,500lb & 1k,2k,2.5k,5k(SE),5k,10K,15K,20K.

Rated output:

3.0mV/V

Digital:1,000,000d

Execution standard:

Combined error: 0.02%

Sealed to IEC 529:

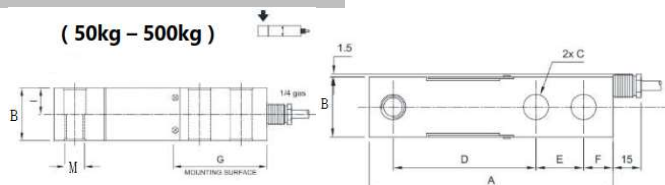
Protection grade: IP67 or IP68.



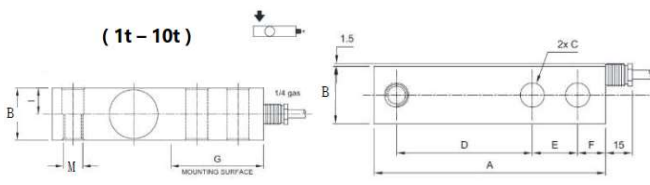
Dimensions

(In mm. 1mm-0.03937inches)

(50kg – 500kg)



(1t – 10t)



Capacity		M		A	B	C	D	E	F	G
kg	lb	mm	inch							
50,100,150,200,250,500kg&1,1.5,2,2.5t(SE)	100,200,250,500,1k,2k,2.5k,4k,5kSE	M12x1.75	1/2-20	130.04	31.75	13.46	76.2	25.4	15.74	56.89
2.5t,3t,5t,	5k,10k	M18x1.5	3/4-16	171.45	38.0	20.06	95.25	38.1	19.05	76.2
7.5t,10t.	15k,20k	M24x2	1-14	225.55	50.8	26.92	123.95	50.8	25.4	101.85

Specification

Item \ Parameter	C2/C3	Unit
Rated load (E _{max}): 50,100,150,200,250,500kg,1,1.5,2,2.5,3,5,7.5,10t		t
Maximal numbers of load cell verification Intervals (Nlc):	0.02	±% of rated output
Minimum load cell verification Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	3.0 ±0.1 %	mV/V
*Combined error:	0.02	±% of rated output
Temperature effect on sensitivity(Tkc):	0.0012	±% of rated output/C
Temperature effect on zero balance(Tk0):	0.0008	±% of rated output/C
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	

Circuit Diagram

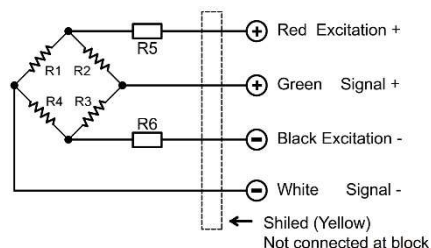
Electrical Termination

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 lease, it will effect the sensitivity of load cell.

