

MK TPZ3 S type load cell

Material of elastomer:
Alloy steel or stainless steel

Description

Capacities: (E_{max})

5, 10, 20, 30, 50, 100, 200, 250, 300, 500kg, 1t, 1.5t, 2t, 3t, 5t, 10t, 20t
10, 25, 50, 100, 250, 500LB, 1k, 1.5k, 3k, 4k, 5k, 10k, 20k, 40kLB

Rated output:

3.0mV/V
Digital: 1,000,000d

Execution standard:
Combined error: 0.02%

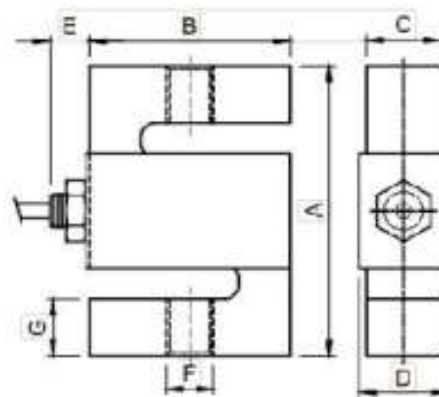
Sealed to IEC 529:
Protection grade: IP67



Dimensions

(In mm. 1mm = 0.03937 inches)

Capacity		(F) Thread		A	B	C	D
kg	lb	mm	inch				
5, 10, 20, 30, 50	10, 25, 50, 100	M8x1.25	1/4-28	64.0	51.0	13.0	16.51
100, 200, 300, 500	250, 500, 1k, 1.5k	M12x1.75	1/2-20	76.2	51.0	19.1	22.86
1t, 1.5t	2k, 3k	M12x1.75	1/2-20	76.2	54.0	25.4	29.21
2t, 2.5t, 3t	4k, 5k	M18x1.5	3/4-16	108.0	76.0	25.4	29.21
5t	10k	M18x1.5	3/4-16	140.0	100.0	32.0	29.21
10t	20k	M30x2	1 1/4-12	178.0	126.0	50.0	54.61
15t, 20t	30k, 40k	M39x2	1 1/4-12	188.0	140.0	60.0	63.75

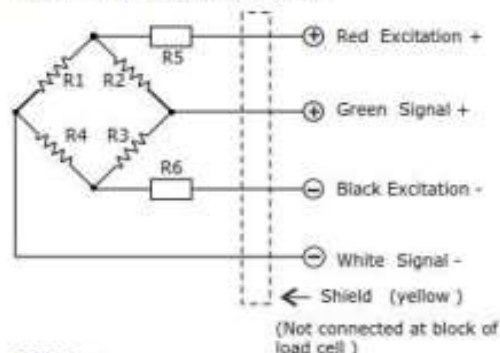


Specification

Item \ Parameter	C3	Unit
Rated load (E _{max}):	5, 10, 20, 30, 50, 100, 300, 500kg, 1t, 2t, 3t, 5t, 10t, 20t	kg/LB
Maximal numbers of load cell verification intervals (N _{ic}):	3000	d
Minimum load cell verification intervals (V _{min}):	0.01	% of rated load
Rated output (C _n):	3.0 ± 0.1%	mV/V
*Combined error:	0.02	± % of rated output
Temperature effect on sensitivity (T _{kc}):	0.02	± % of rated output/°C
Temperature effect on zero balance (T _{k0}):	0.02	± % 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	

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
3m
Diameter: φ6
Connection:
Refer to the following drawing:



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