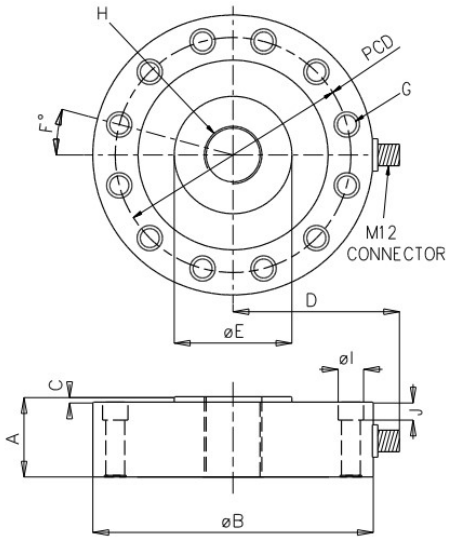
MK LPM Wheel Shaped Load Cell

Material of elastomer:
Alloy steel or Stainless steel

Description

- **Capacities: (E_{MAX})**
5, 10, 25, 50, 100, 250, 500, 1000 KN

- **Rated outout:**
2.0mV/V



Capacity KN	A	B	C	D	E	F	G	H	I	J	kg
5KN / 10KN	35	105	3	65	33	22.5	8 Holes φ7.2 PCD 88.5	M16 x2-4H	7.2	8.5	0.7
25KN / 50KN	35	105	3	65	33	22.5	8 Holes φ7.2 PCD 88.5	M16 x2-4H	7.2	8.5	1.5
100KN / 250KN	44.5	155	3	90	62	15	12 Holes φ10.5 PCD 130.2	M33 x2-4H	10.5	10	4.7
500KN	63.5	203	65	115	89	11.25	16 Holes φ13.5 PCD 165.1	M42 x2-4H	13.5	13	11.7
1000KN	90	280	13	152	123	11.25	16 Holes φ17.5 PCD 228.6	M72 x2-4H	17.5	16	29.5

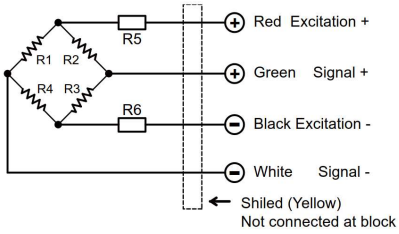
(In mm.)

Specification

Item \ Parameter	C2	Unit
Rated load (E_{MAX}): 5, 10, 25, 50, 100, 250, 500, 1000 KN		KN
Maximal numbers of load cell verification Intervals Intervals (Nlc):	2000	d
Minimum load cell verification Intervals Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	2.0 ±0.3 %	mV/V
*Combined error:	0.05	±% of rated output
Temperature effect on sensitivity(Tkc):	0.005	±% of rated output/℃
Temperature effect on zero balance(Tk0):	0.005	±% of rated output/℃
Zero balance:	1.0	±% of rated output
Input resistance(Rlc):	400 ± 10	Ω (Ohms)
Output resistance(Ro):	350 ± 2	Ω (Ohms)
Insulation resistance:	≧5000	MΩ (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Compensated temperature range:	-10~+40 (120 Optional)	℃
Operating temperature range:	-20~+70	℃
Maximum excitation:	1	V(DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67 / IP68 (option)	

Circuit Diagram

Electrical Termination
Diameter: Φ6
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.