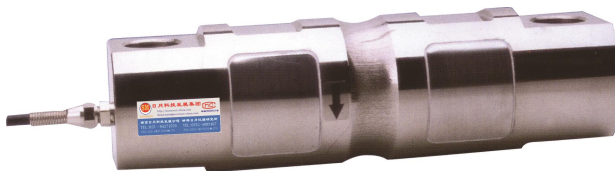


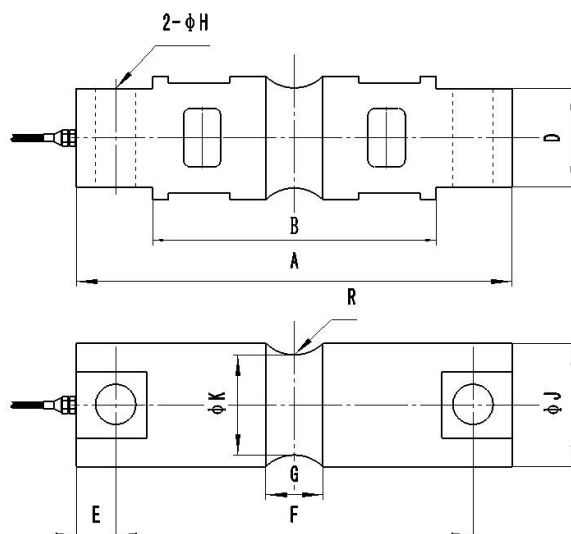
Type SM42A Bridge Weighing Load Cell

Characteristics: The sensor is made of alloy steel, fully sealed and welded, with a high safety factor.

Applied to: Tower crane, gate hoist, port machinery, chain hoist etc.



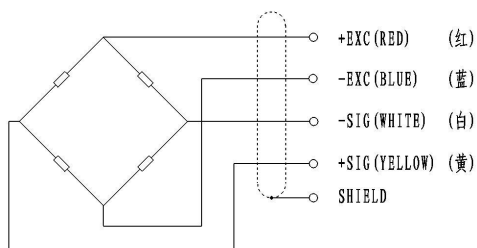
Dimensions (In mm, 1mm=0.03937 inches)



CAP. / SIZE	A	B	D	E	F	G	H	J	K	R
KLB/mm										
5~10	206.2	133.1	28.4	15.7	174.6	15.7	16.8	43.2	37.6	12.7
15~20	206.2	133.1	28.4	15.7	174.6	21.3	16.8	49.5	37.8	12.7
30~75	260.4	165.1	60.2	22.4	215.9	25.4	26.9	76.2	69.3	25.4
90~100	285.8	190.2	63.5	22.4	241.3	31	26.9	88.9	82.3	38.1
150	285.8	190.2	71.1	22.4	241.3	31	26.9	99.1	92.5	38.1
200	408.9	254	116.8	39.4	330.3	31.7	40	136.6	131.4	50.8
Klb/inches (conversion of above dimensions)										
5~10	81.18	52.40	11.18	6.18	68.74	6.18	6.61	17.01	14.80	5.00
15~20	81.18	52.40	11.18	6.18	68.74	8.39	6.61	19.49	14.88	5.00
30~75	102.52	65.00	23.70	8.82	85.00	10.00	10.59	30.00	27.28	10.00
90~100	112.52	74.88	25.00	8.82	95.00	12.20	10.59	35.00	32.40	15.00
150	112.52	74.88	27.99	8.82	95.00	12.20	10.59	39.02	36.42	15.00
200	160.98	100.00	45.98	15.51	130.04	12.48	15.75	53.78	51.73	20.00

Circuit Diagram:

Red: +input
Blue: -input
White: +output
Yellow: -output





SUNMOON
日月科技

Specification:

Type	Technical parameters
Nominal load range	5 ~ 250klb
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.01mV/V
Input resistance (R _{ic})	750±20Ω (ohms)
Output resistance (R _o)	700±5Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.05%FS
Effect of temperature	0.02%FS/10°C
Operating temperature	-40 ~ +85°C
Safe Load Limit	200% FS
Safety margin against yielding	300% FS
Safety margin against breakage	500% FS
Material material	High performance alloy steel or (chromium ratio>15% stainless steel)
Protection type	IP67/IP68