

Type SM20 Load Cell

Characteristics:

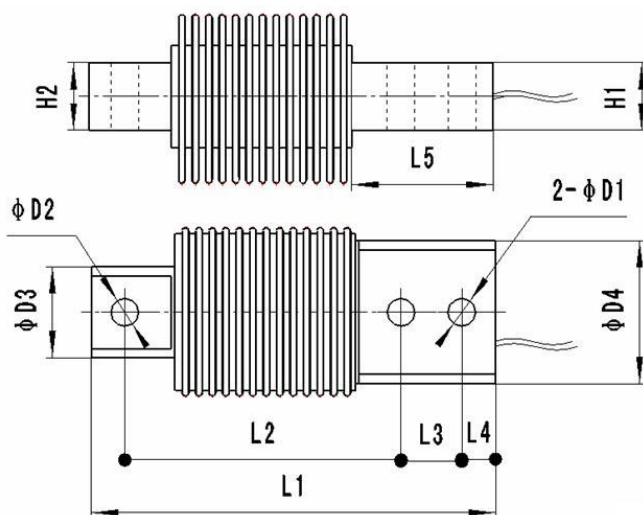
Parallel beam structure, metal bellows welded and sealed, with inert gas filled inside. Resistant to overload and eccentric load

Application:

Electronic belt scale, hopper scale and platform scale



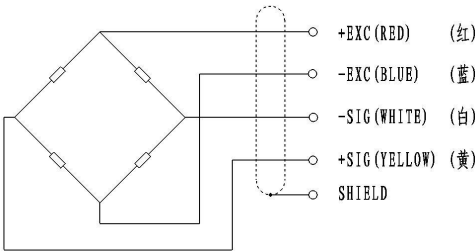
Dimensions (In mm. 1mm=0.03937 inches)



CAP. /SIZE (量程/尺寸)	L1	L2	L3	L4	L5	ØD1	ØD2	ØD3	ØD4	H1	H2
kg/mm											
10、20、30、50、100、200	126	82	18	16	44	8.2	8.2	25.5	32	20	20
250、300、500	200	120	45	15	80	14	13	30	52	40	25
lb/inches (conversion of above dimensions) 由以上尺寸转换											
44.09、66.14、110.23、 220.46	49.61	32.28	7.09	6.30	17.32	3.23	3.23	10.04	12.60	7.87	7.87
551.16、661.39、1102.31	78.74	47.24	17.72	5.91	31.50	5.51	5.12	11.81	20.47	15.75	9.84

Circuit Diagram:

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



Specification:

Type	Technical parameters
Nominal load range	10 ~ 500kg
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.01mV/V
Input resistance (R _{ic})	400±20Ω (ohms)
Output resistance (R _o)	350±5Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.02%FS
Effect of temperature	0.02%FS/10℃
Operating temperature	-40 ~ +85℃
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