

Type SM40D Bridge Weighing Load Cell

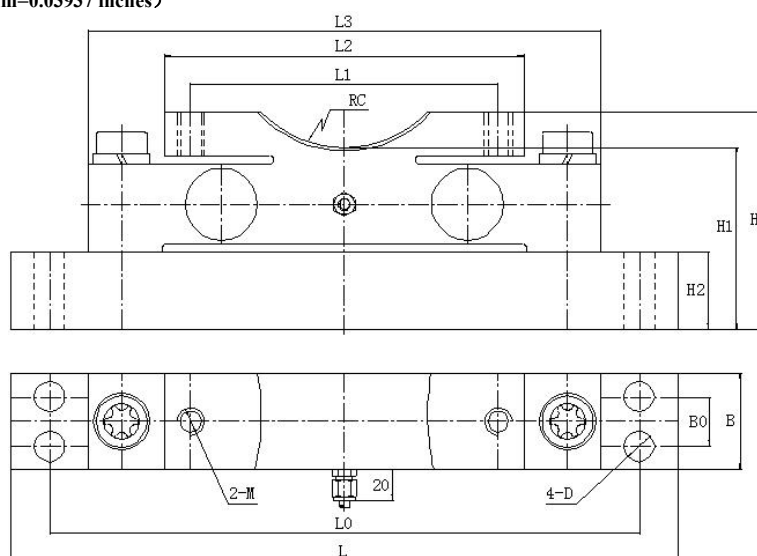
Description:

The sensor is made of alloy steel or stainless steel and features a unique bridge structure. It has undergone good moisture-proof sealing and is suitable for harsh working environments. It can be used to manufacture various electronic truck scales, rail scales, hopper scales and various special weighing instruments.

Characteristics: Good resistance to lateral force and impact, easy to install, good interchangeability



Dimensions (1n mm. 1mm=0.03937 inches)



CAP. /SIZE	L	L0	L1	L2	L3	B	B0	H	H1	H2	RC	D	M
t/mm													
10, 15, 20, 30	390	345	180	210	300	56	29	127	107	45	R80	ø18	M16
40, 50, 60	500	445	200	235	395	86	45	173	153	67	R90	ø22	M20
lb/inches (conversion of above dimensions)													
22046.23/33069.34/ 44092.45/66138.68	153.54	135.83	70.87	82.68	118.11	22.05	11.42	50.00	42.13	R17.72	ø31.50	7.09	M16
88184.90/110231.13/ 1132277.36	196.85	175.20	78.74	92.52	155.51	33.86	17.72	68.11	60.24	R26.38	ø35.43	8.66	M20



Circuit Diagram:

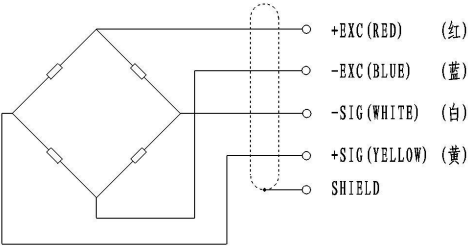
- Red:

+ input
- Blue:

- input
- White:

+output
- Yellow:

-output



Specification:



Type	Technical parameters
Nominal load range	10 ~ 60t
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