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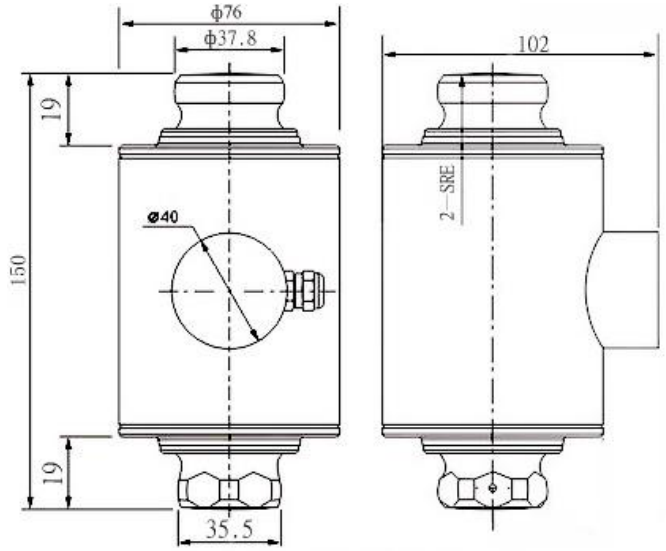
SM12D Load Cell

Characteristics： large measurement range, high precision, automatic adjustment, automatic reset, fully sealed welding, and high safety factor.

Application：electronic truck scales, dynamic rail scales, large-tonnage material gate scales, tank scales, etc

Dimensions （In mm. 1mm=0.03937 inches）



CAP. /SIZE	SRE
t/mm	
15、20、30	150
50	210
Ib/inches (conversion of above dimensions)	
33069.34～66138.68	59.06
110231.13	82.68

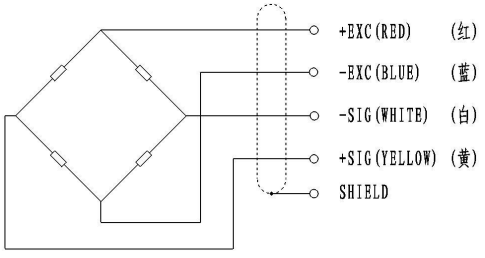
Circuit Diagram：

Red: ＋input

Blue: -input

White: +output

Yellow: -output



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Specification：

Type	Technical parameters
Nominal load range	10～50t
Power supply	10~12 VDC
Zero balance	1.0±% of rated output
Analog output	2.0±0.015mV/V
Input resistance（Rlc）	780±20Ω（ohms）
Output resistance（Ro）	700±5Ω（ohms）
Insulation resistance	≥5000 MΩ（Mege-Ohms）
Class precision	0.05%FS
Effect of temperature	0.05%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	IP68