

SM12B Load Cell

Characteristics:

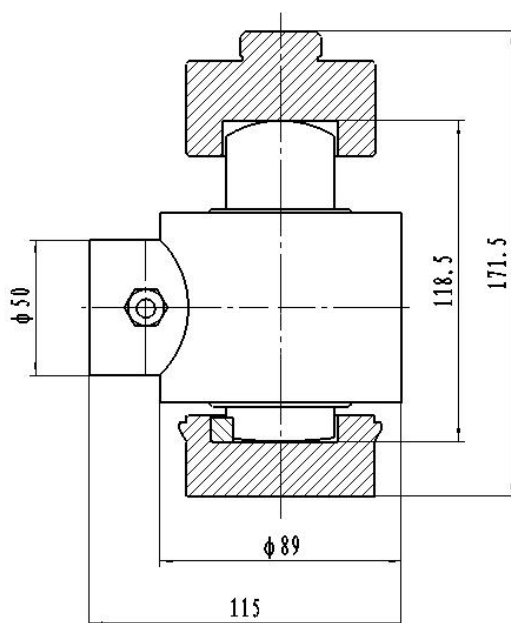
large measurement range, high precision, automatic adjustment, automatic reset, fully sealed welding, and high safety factor.

Application:

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

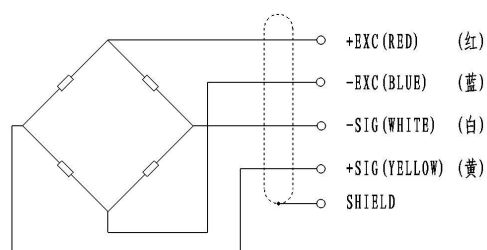


Dimensions (In mm. 1mm=0.03937 inches)



Circuit Diagram :

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



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Type	Technical parameters
Nominal load range	10 ~ 30t
Power supply	10~12 VDC
Zero balance	1.0± % of rated output
Analog output	2.0±0.015mV/V
Input resistance (R _{ic})	380±20Ω (ohms)
Output resistance (R _o)	350±5Ω (ohms)
Insulation resistance	≥5000 MΩ (Mege-Ohms)
Class precision	0.05%FS
Effect of temperature	0.05%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	IP68