

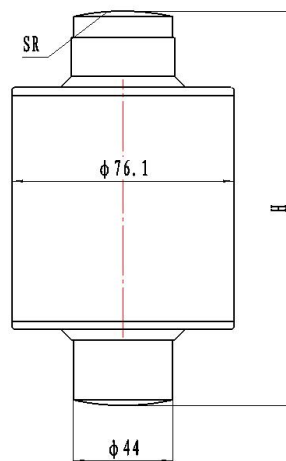
SM12A Load Cell

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



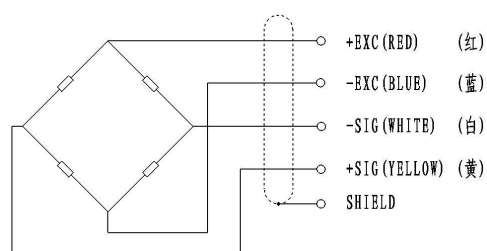
Dimensions (In mm. 1mm=0.03937 inches)



CAP. / SIZE	H	SR
t/mm		
10、15、20、30、40	150	160
50、60	210	220
lb/inches (conversion of above dimensions)		
22046.23~88184.90	59.06	62.99
110231.13~132277.36	82.68	86.61

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±0.015mV/V
Input resistance (R _{ic})	780±20Ω (ohms)
Output resistance (R _o)	700±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	IP67