

SM4-GTS Column Sensor

I. Overview

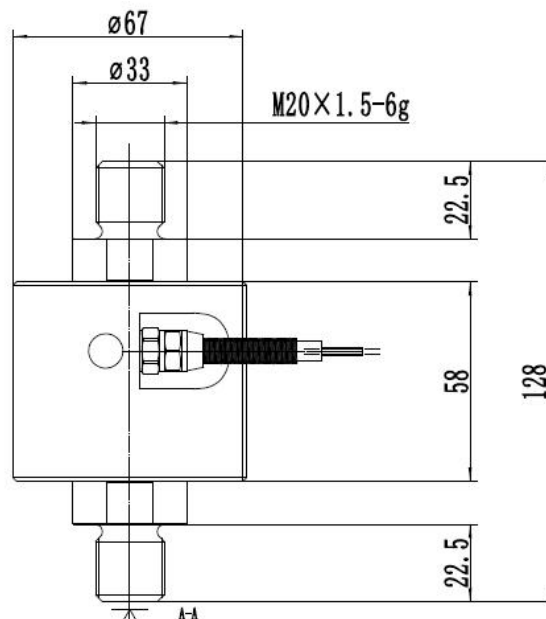
Generally, weighing and force measuring sensors can only work in the environment within 70 °C , and cannot be applied to the electronic scale that needs in metallurgy, chemical industry and other industries to work in high temperature environment. The working temperature of SM4-GTS series high temperature resistant weighing sensor produced by the company is-30 °C ~ + 250 °C , which can be used for photovoltaic glass production, steel mill, intermediate package electronic scale, steel chartered car (iron water truck), driving electronic scale, roller electronic scale and other electronic scale working in high temperature environment

2. characteristic

- 1.1. This product has been continuously improved after more than 20 years of technological innovation;
- 1.2. Specially designed for high-temperature detection;
- 1.3. All stainless steel is sealed, dustproof and waterproof design;
- 1.4. Wide power supply voltage design, strong anti-interference ability;
- 1.5. Standard 4~20mA, 0~10.0VDC output, with good interchangeability.

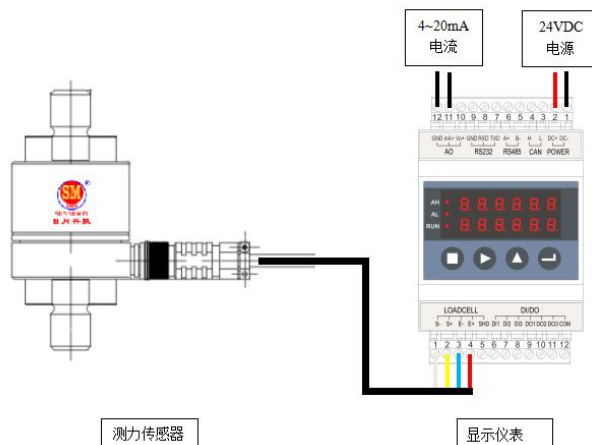


Dimensions Overall dimensions (1mm=0.03937 inches)



Circuit Diagram Circuit diagram:

- 1: + input 1: + incentive
- 2: -input 2: -incentive
- 3: + output 3: + signal
- 4: -output 4: -signal
- 5: shielded 5: shielding





Specification Technical parameters:

project Type	Technical parameters, Technical parameters	
measuring range Nominal load range	20、30、50、100、200KN	
sensitivity Sensitivity	1.0±0.05mV/V 2.0±0.05mV/V	
Comprehensive accuracy Class precision	0.5%FS	
input impedance Input I mpedance	750±5	1100±40
output impedance Out put impedance	700±1	1000±1
Zero point output Zero Balance	≤0.1%FS	
working voltage Power supply	10VDC (Sensor)	24VDC (instrument)
temperature drift Effect of temperature	0.5%F .S	
temperature compensation temperature compensation	-10~65℃	
working temperature Operating temperature	-40~+85℃	
Safe overload Safe Load Limit	150% FS	
material quality Material material	High-performance alloy steel or (chromium ratio greater than 15% stainless steel) High performance alloy steel or (chromium ratio>15% stainless steel)	
levels of protection Protection type	IP65	