

SM11A RTN Pressure Sensor

1. Description

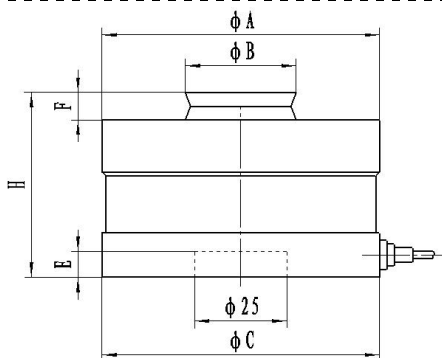
The RTN pressure sensor has a measurement range from 1t to 470t, which can cover almost all fields of all processes. It is widely applied in various weighing equipment such as platform scales, truck scales and material tank scales.

2. Characteristics

- Small size
- Strong overload resistance
- Large measurement range
- High sensitivity
- High precision
- High impedance
- Low consumption



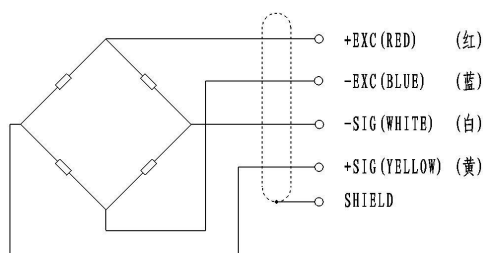
Dimensions (In mm, 1mm=0.03937 inches)



SIZE/CAP.	10	15	22	33	47	68	100	150	220	330	470.00
mm/t											
ØA	74	75	75	95	130	130	150	150	225	225	270
ØB	30	30	30	40	60	60	70	70	100	100	120
ØC	75	75	75	95	130	130	150	150	225	225	270
E	7	7	7	7	7	7	7	7	10	10	10
F	6.5	6.5	10	10	14	14	16	16	24	24	28
H	50	50	6.5	65	75	85	90	100	130	145	170
inches/lb (conversion of above dimensions)											
ØA	29.13	29.53	29.53	37.40	51.18	51.18	59.06	59.06	88.58	88.58	106.30
ØB	11.81	11.81	11.81	15.75	23.62	23.62	27.56	27.56	39.37	39.37	47.24
ØC	29.53	29.53	29.53	37.40	51.18	51.18	59.06	59.06	88.58	88.58	106.30
E	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	3.94	3.94	3.94
F	2.56	2.56	3.94	3.94	5.51	5.51	6.30	6.30	9.45	9.45	11.02
H	19.69	19.69	2.56	25.59	29.53	33.46	35.43	39.37	51.18	57.09	66.93

Circuit Diagram:

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



Specification:

Type	Technical parameters
Nominal load range	10 ~ 470t
Power supply	10~12 VDC
Out put	4~20mA/24VDC(可选)
Drawing current	<100 mA
Zero balance	1.0±% of rated output
Analog output	2.8±0.015mV/V
Input resistance (R _{ic})	380±10Ω (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℃
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	IP67/IP68