

## String Displacement Sensor WY-600

- String potentiometer style;
- Applied various displacement measurement;
- Small size, easy install (mounting block supplied);
- Measurement range 600mm;
- Fast response;
- Anti-Shock  $\geq 100g$ .



WY-600 contains an adjustable potentiometer inside, and a wire coil coaxially designed. When the wire is stretched or contracted, the resistance of the potentiometer changes accordingly. Its internal unique design makes the displacement and output voltage maintain a good linear relationship. The steel wire is made of 304 stainless steel with a diameter of only 0.6mm; the internal strong spring structure allows the steel wire to shrink in time when the displacement of the measured object is reduced; the rubber design of the steel wire outlet can better protect the inside of the sensor structure.

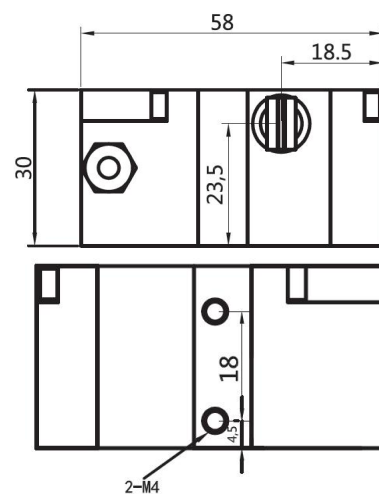
### Specification (5V, 25°C)

Name	Unit	Value
Range	mm	600
Tension force	N	2~3
Wire diameter	mm	0.6
Non-Linearity	%	$\leq \pm 0.25FS$
Response	Hz	5000
Offset	mV	<50
Warmup	ms	<50
Excitation	VDC	5~15V
Consumption	mA	<10
Anti-Shock	g	>100
Insulation Res.	M $\Omega$	>100
Opera. Temp.	°C	-30~70
Store Temp.	°C	-40~85
Material	/	Al. Alloy
weight	grams	95
Dimension	mm	58×30×30

Wire length default 8m;

Connector and ID as required.

### Dimension:



### Wires define:

Red	Excitation+
Black	Excitation-
Green	Signal+
White	Signal-
Shield	Connector Case

Note: the mounting block is included.