

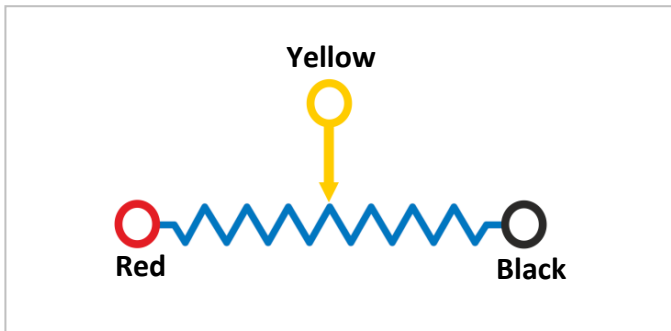


- Measurement length 300 mm to 2750 mm
- 0,5 mm stainless steel wire diameter
- Maximum 42 VDC Power Supply
- Small size
- High strength stainless steel wire
- Potentiometric Measuring  
Or 0-10 VDC Analog Output  
Or 4-20 mA Current Output
- 0,5 m/s maximum speed
- Shock/Vibration resistant

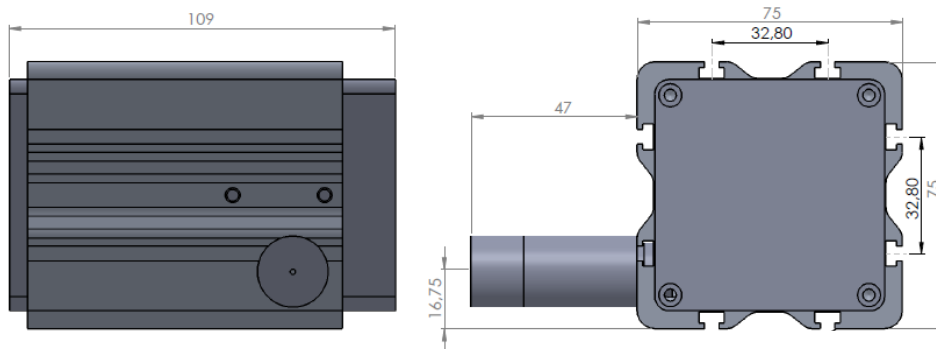
The AWP120 series are wire potentiometric position transducers that turn a linear motion into a resistance variation. They are made of a precision rotating potentiometer operated by a, winding or unwinding, stainless steel wire. The transducers are available with a stroke of: 300 to 2750 mm. Optionally other stroke lengths, cable length and socket connector can be requested.

### TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	Max. 42 VDC
<b>Stroke Length (mm)</b>	300 , 400 , 500 , 600 , 750 , 800 , 900 , 1000 , 1100 , 1250 , 1400 , 1500 , 1600 , 1750 , 1800 , 2000 , 2500 ve 2750 mm (Please ask us for other)
<b>Maximum Speed</b>	0,5 m/s
<b>Resistance</b>	5K $\Omega$ (Optional Other)
<b>Output</b>	Potentiometric Or 0-10 VDC Analog Output Or 4-20 mA Current Output (Please ask us for other)
<b>Linearity</b>	$\pm$ %0,25
<b>Process Temperature</b>	- 25 to +85 $^{\circ}$ C
<b>Relative Humidity</b>	%10 to %90
<b>Weight</b>	< 400 grams



### MECHANICAL DIMENSIONS



### PRODUCT CODING

#### Model

AWP 120

**AWP120**

**XXX**

#### Stroke Length

See Stroke Length\*

#### Resistance

5K : 5K $\Omega$   
(Please ask us for other)

**5K**

**3M**

#### Cable Length

3M : 3M (standard)  
5M : 5M  
10M : 10M  
S16 : M16 Socket Connector  
S23 : M23 Socket Connector

\*Please ask us for other cable lengths and socket connectors

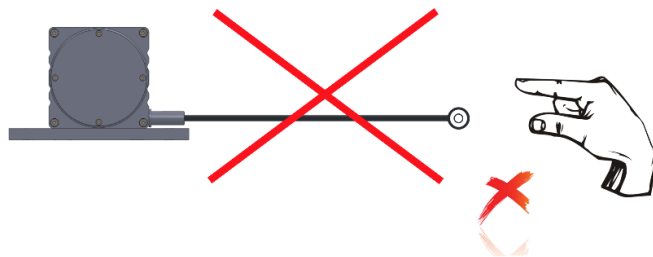
#### Output Signals

No Code : Potentiometric  
V : 0-10 VDC Analog Voltage  
A : 4-20 mA Analog Current

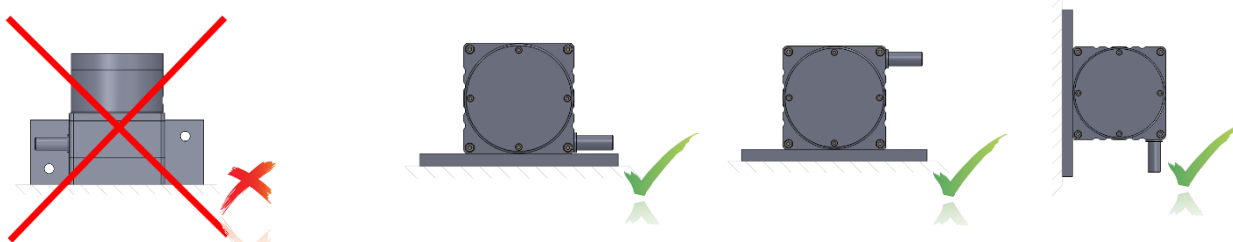
**X**

**Stroke Length (mm):** 300, 400, 500, 600, 750, 800, 900, 1000, 1100, 1250, 1400, 1500, 1600, 1750, 1800, 2000, 2500, 2750

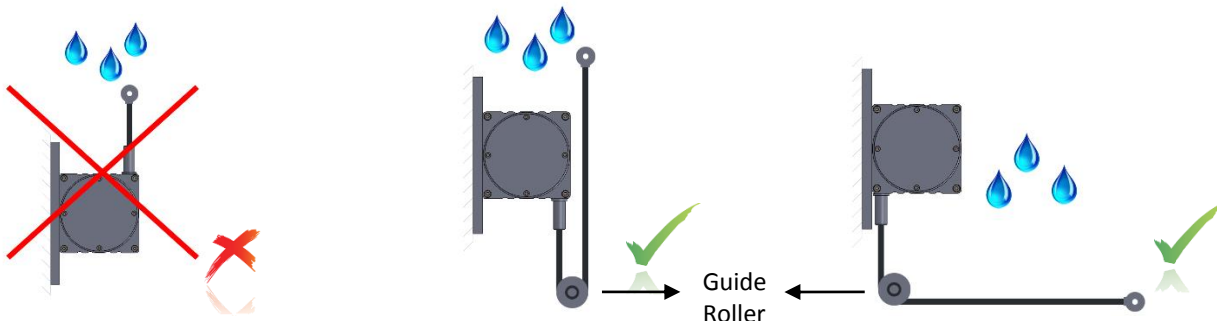
1. Do not release the wire suddenly, after pulling.



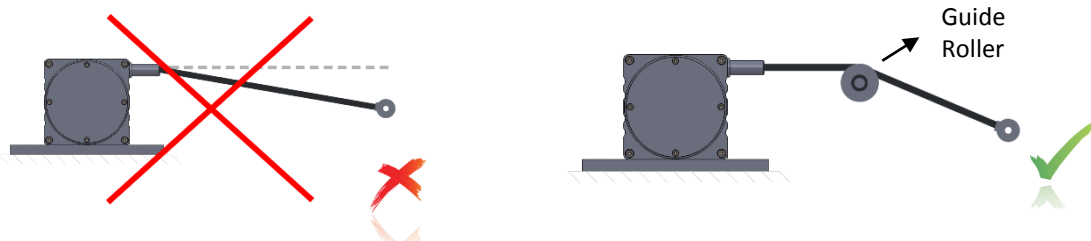
2. The wire encoder must be mounted vertically in position, not horizontally.



3. If there is the possibility of splashing of water (like rain) on the device, the wire outlet must not look upwards. If the wire needs to go upwards, please use guide rollers.



4. The wire should not be pulled with an angle. If needed, please use guide rollers.



Failure to comply with these recommendations will lead to malfunctions, which will not be covered by the warranty.