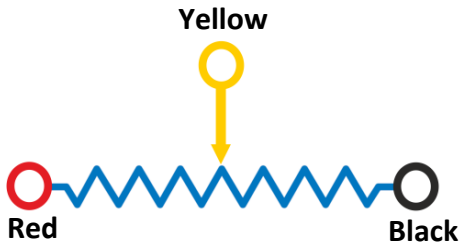
# DRAW WIRE ENCODERS

"Small size, High strength stainless steel wire"

# AWP 120

- 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

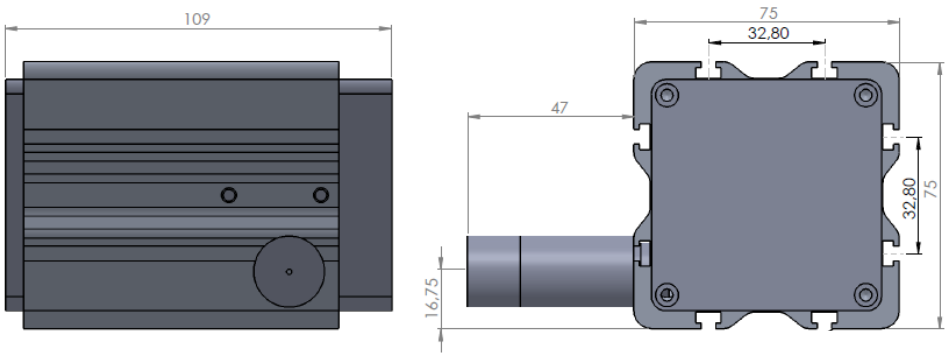
The AWP120 series are wire potentiometric position transducers that turn a linear motion into a resistance variation. They are made of a precision rotating potentiometer operated by a, winding or unwinding, stainless steel wire. The transducers are available with a stroke of: 300 to 2750 mm. Optionally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




## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Power Supply** | Max. 42 VDC |
| **Stroke Length (mm)** | 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) |
| **Maximum Speed** | 0,5 m/s |
| **Resistance** | 5KΩ (Optional Other) |
| **Output** | Potentiometric<br>Or 0-10 VDC Analog Output<br>Or 4-20 mA Current Output<br>(Please ask us for other) |
| **Linearity** | ± %0,25 |
| **Operating Temperature** | - 25 to +85 °C |
| **Relative Humidity** | %10 to %90 |
| **Weight** | < 400 grams |

## MECHANICAL DIMENSIONS




## PRODUCT CODING

**Model**
AWP 120

**Resistance**
**5K** : 5KΩ
(Please ask us for other)

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

| AWP120 | – | XXX | – | 5K | – | 3M | – | X |
|---|---|---|---|---|---|---|---|---|

**Stroke Length**
**See Stroke Length***

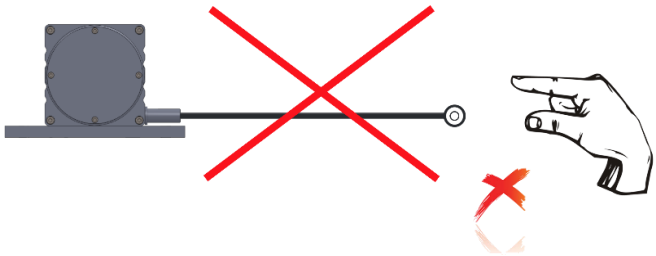
**Cable Length**
3M : 3M (standard)
5M : 5M
10M : 10M
S16 : M16 Socket Connector
S23 : M23 Socket Connector

*Please ask us for other cable lengths and socket connectors

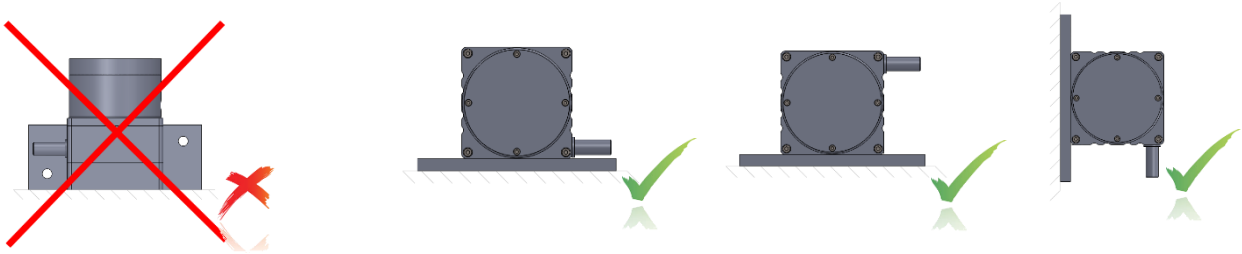
**Stroke Length (mm):** 300, 400, 500, 600, 750, 800, 900, 1000, 1100, 1250, 1400, 1500, 1600, 1750, 1800, 2000, 2500, 2750

## MOUNTING - WARNINGS

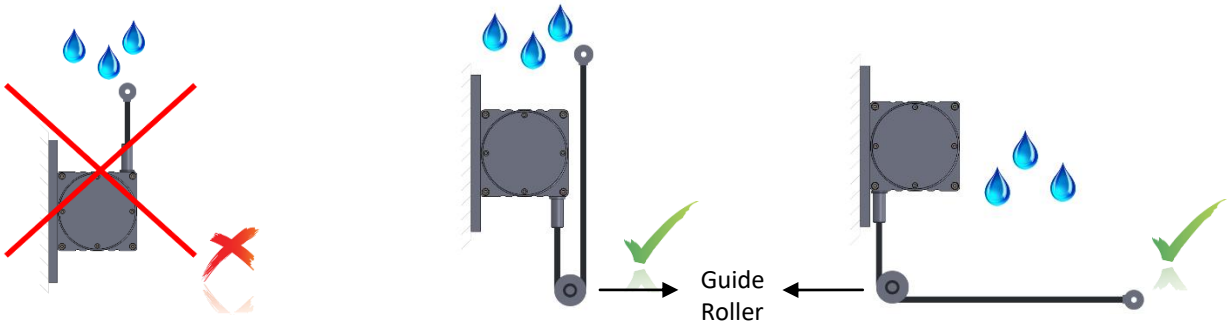
1. **Do not release the wire suddenly, after pulling.**



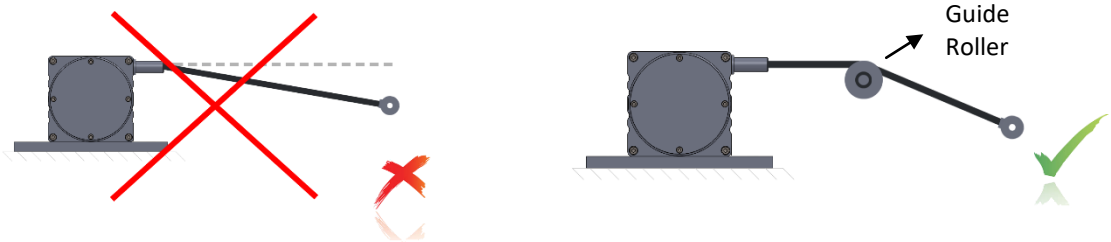
2. **The wire encoder must be mounted vertically in position, not horizontally.**



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.**

**Atek Sensor Technology A.S.**

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