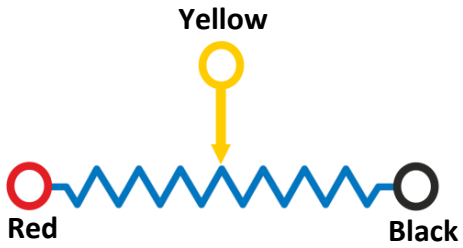
# DRAW WIRE SENSORS

"Small size, High strength stainless steel wire"

# AWP 110

- Measurement length 250 mm to 1250 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

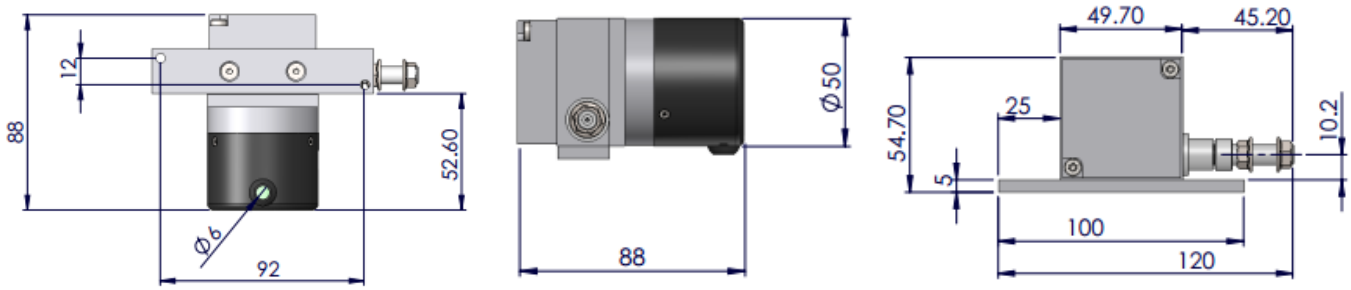
The AWP110 series are wire potentiometric position transducers that turn a linear motion into a resistance variation. They are made of a precision rotating potentiometer operated by a, winding or unwinding, stainless steel wire. The transducers are available with a stroke of: until 250 mm to 1250 mm . Optionally other stroke lengths, cable length and socket connector can be requested.




## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Power Supply** | Max. 42 VDC |
| **Stroke Length (mm)** | 250 , 300 , 500 , 600 , 700 , 750 , 1000 and 1250 mm<br>(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 % FS |
| **Operation Temperature** | - 25 to +85 °C |
| **Relative Humidity** | %10 to %90 |
| **Weight** | < 400 grams |

## MECHANICAL DIMENSIONS




## PRODUCT CODING

**Model**
AWP 110

**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

| AWP110 | – | XXX | – | 5K | – | 3M | – | X |
|---|---|---|---|---|---|---|---|---|

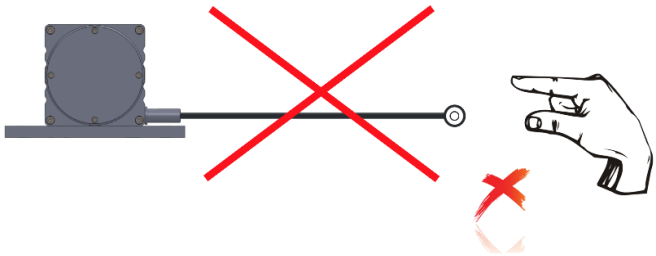
**Stroke Length**
**250** : 250 mm
**500** : 500 mm
**700** : 700 mm
**1000** : 1000 mm
**1250** : 1250 mm
* Please ask us for other wire lengths

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

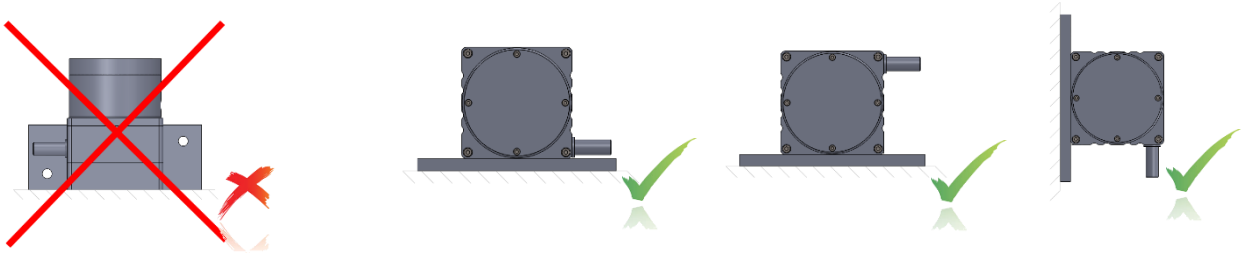
*Please ask us for other cable lengths and socket connectors

## MOUNTING - WARNINGS

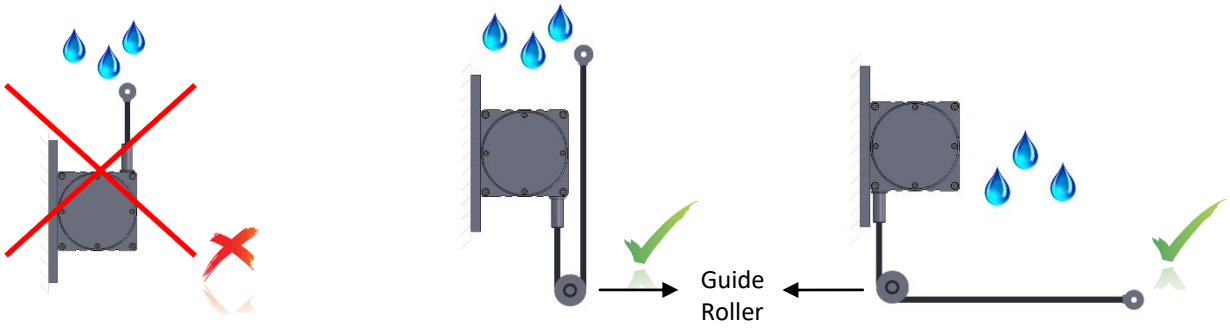
1. **Do not release the wire suddenly, after pulling.**



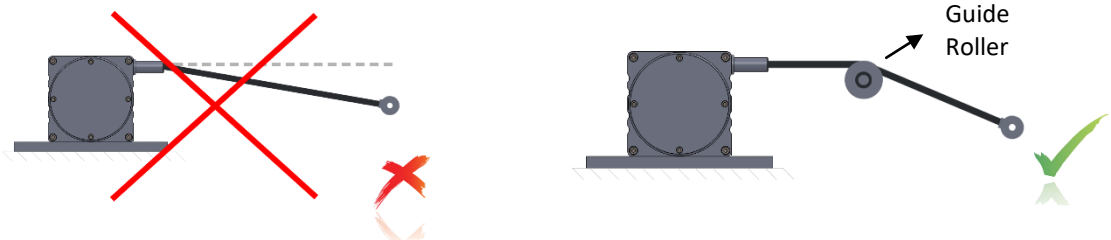
2. **The wire encoder must be mounted vertically in position, not be horizontally.**



3. **If there is a trickle of water (like a rain), the wire outlet must not be a drip of water upstream. If needed please use guide rollers.**




4. **The wire should not be pulled in angular. If needed, please use guide rollers.**




**Failure to comply with these recommendations, the malfunctions that may occur will not be under the warranty.**

**Atek Sensor Technology A.S.**

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