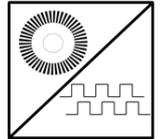


### GENERAL FEATURES



- Different stroke (measuring) lengths from 5000 mm to 11000 mm 0.075mm resolution
- Incremental output
- 1 mm Stainless Steel wire
- IP65 protection class
- Compact design
- Easy installation
- 2 m/s maximum speed
- Shock/Vibration resistant
- Aluminum anodized body



AWE 310 wire encoders convert linear motion into incremental digital pulses. Different stroke lengths from 5000 mm to 11000 mm are available. Optionally other stroke lengths, resolutions, cable lengths and socket connectors can be requested.

They make measurement by pulling and rewinding stainless steel wire. Usage is practical and usage area is quite wide. By connecting to a counter or position controller, they become a perfect system in high resolutions for position control in wood processing, marble machines, glass processing machines and other machines.

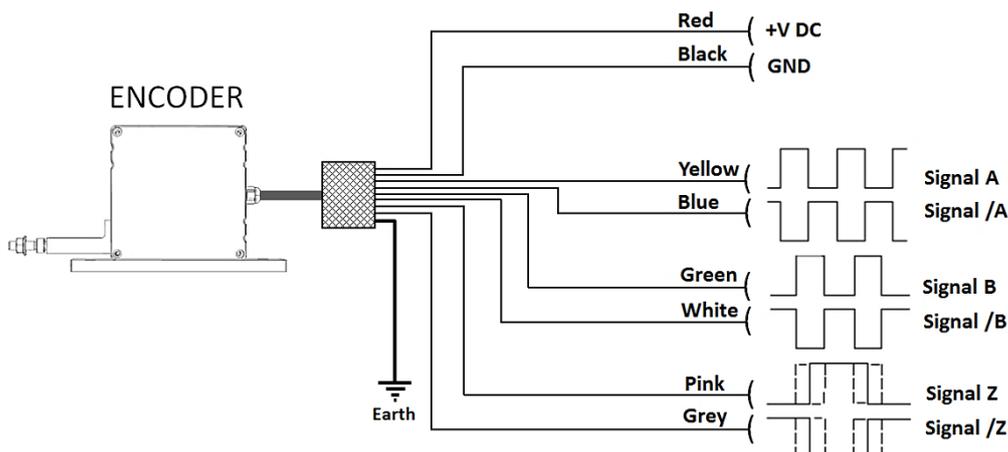
### TECHNICAL SPECIFICATIONS

<b>*Stroke (measuring) length</b>	Different measuring lengths from 5000 mm to 11000 mm	<b>Required force</b>	12 N
<b>*Resolution</b>	0.075 mm	<b>Max Output Current</b>	60 mA (per channel)
<b>*Connection cable length</b>	3m (standard), 5m, 10m	<b>Measuring Type</b>	Optic
<b>*Supply Voltage</b>	5...30V DC $\pm 20\%$	<b>Materials</b>	Housing: Aluminum/steel /ABS plastic
<b>*Output Signals</b>	A,B,Z (standard) A,B A,/A,B,/B A,/A,B,/B,Z,/Z	<b>IP Protection Class</b>	IP65
<b>Accuracy</b>	$\pm 0.25\%$ FS	<b>Operating Temperature</b>	-25°C ... +85°C
<b>Maximum Speed</b>	2 m/s	<b>Relative Humidity</b>	%95
		<b>Weight</b>	$\approx 2700$ gr

**Note:** The technical specifications indicated by (\*) vary according to the selected model. The detailed code table is shown on page 3.

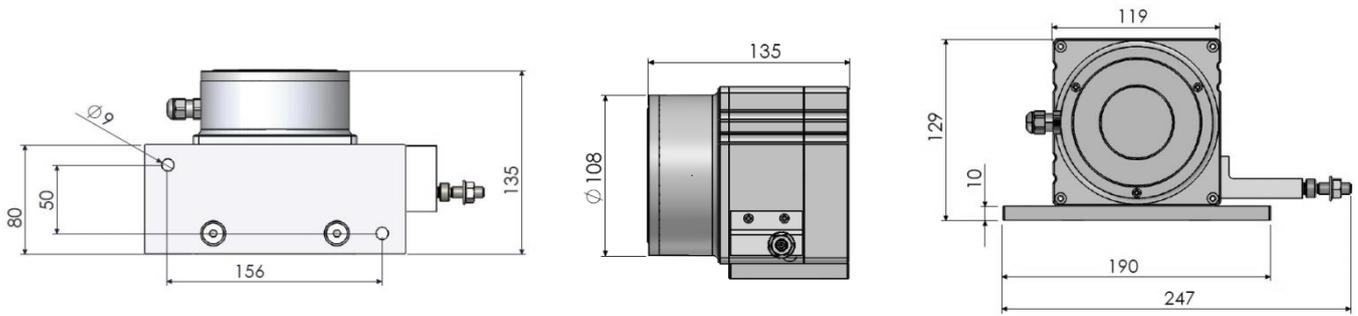
### ELECTRICAL CONNECTION

In the left tablet he cable colors of sensors output signals are given. If the control circuit is suitable in the Line Driver sensors of the not output signals (/A, /B, /Z) have to be added to the system. If it is not suitable /A, /B, /Z signal cables must be fixed as insulated separately. Don't forget that these edges have electricity too.



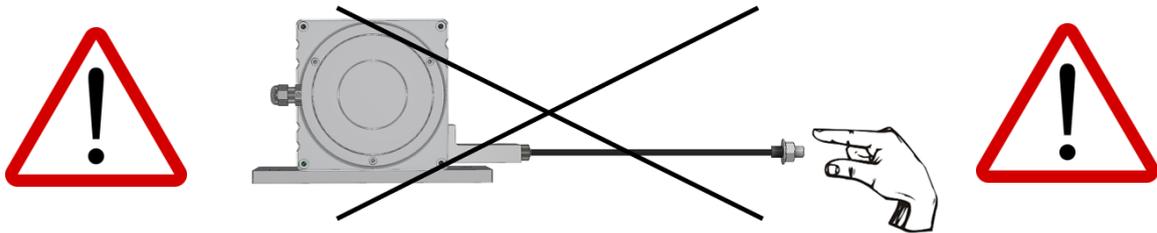
SIGNAL	CABLE COLOR
+V	Red
0V	Black
A	Yellow
/A	Blue
B	Green
/B	White
Z	Pink
/Z	Grey
EARTH	Silver

## DIMENSIONS

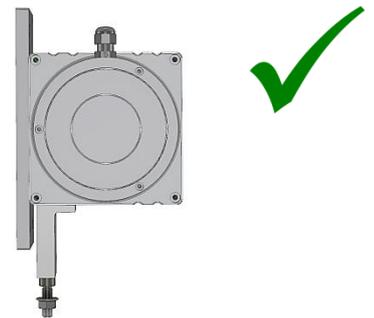
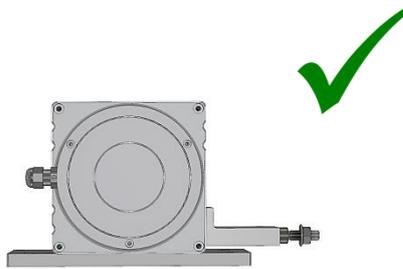
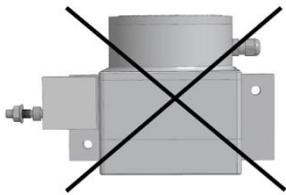


## MOUNTING AND WARNINGS

**1. Never release the wire after pulling. Otherwise, the coil spring will be damaged.**



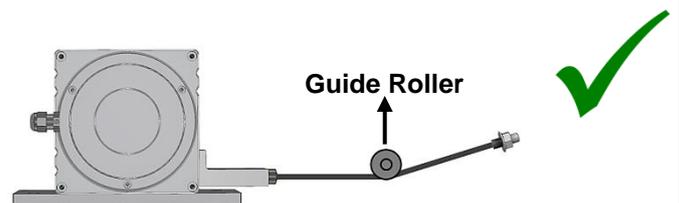
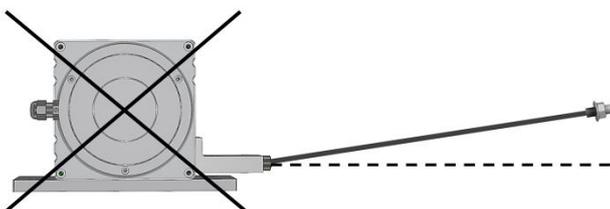
**2. Mount the sensor according to the mounting directions shown below.**



**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.**

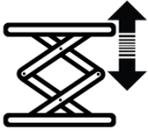


**Important Note(!): Failure to comply with these recommendations, the malfunctions that may occur will not be under the warranty.**

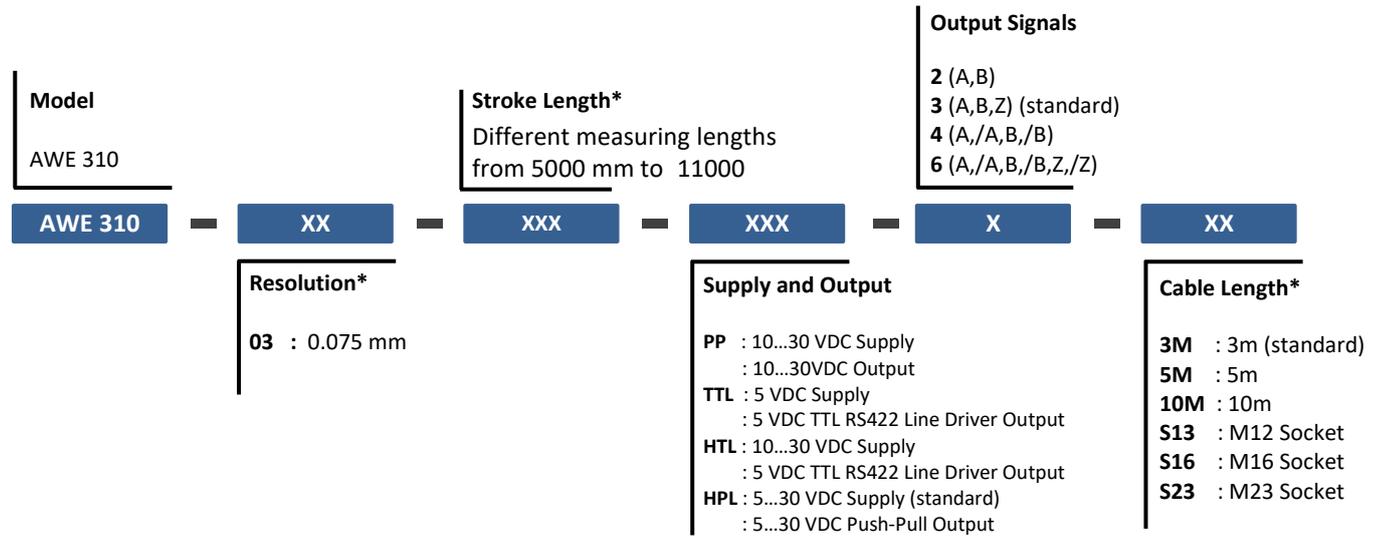
## SAMPLE APPLICATION FIELDS

- Elevators
- Press machines
- Crane systems
- Wood processing machines
- Marble processing machines

- Glass processing machines
- Lifting platforms
- Applications in medical technologies (operating table etc.)
- Forklifts
- Otomation applications etc.



## PRODUCT CODE



(\* ) Please contact for other (customized) options.

## Atek Sensor Technology A.S.



Tuzla KOSB Organize Sanayi Bolgesi Melek Aras Bulvari, No:67 34956 Tuzla-İstanbul / TURKEY



Tel: +90 216 399 44 04



Fax: +90 216 399 44 02



[www.ateksensor.com](http://www.ateksensor.com)



[info@ateksensor.com](mailto:info@ateksensor.com)