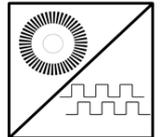


GENERAL FEATURES



- Different stroke (measuring) lengths from 300 mm to 1250 mm
- 0.025 mm as standard, optional 0.05 mm and 0.0125 mm resolution options
- Incremental output
- 0.5 mm or 1 mm Stainless Steel wire
- Small structure
- IP65 protection class
- Compact design
- Easy installation
- 2 m/s maximum speed
- Shock/Vibration resistant
- Aluminum anodized body



AWE 110 wire encoders convert linear motion into incremental digital pulses. Different stroke lengths from 300 mm to 1250 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.

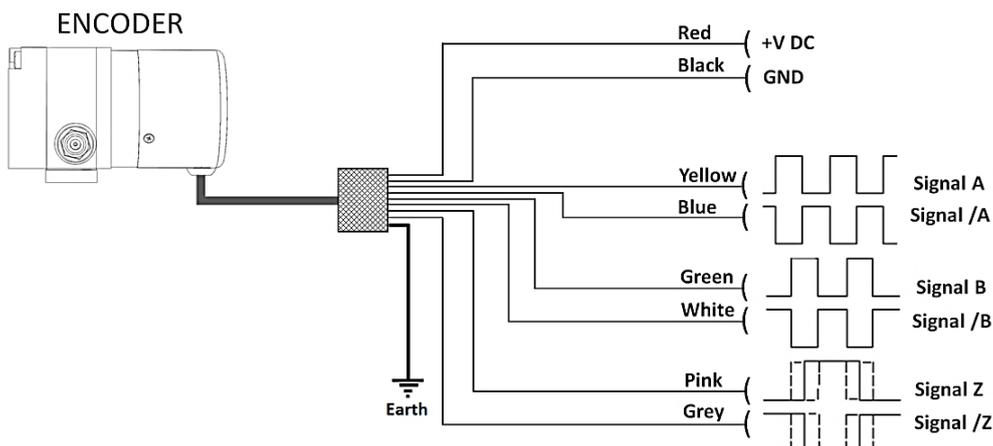
TECHNICAL SPECIFICATIONS

*Stroke (measuring) Length	Different measuring lengths from 300 mm to 1250 mm	Required Force	5 N
*Resolution	0.0125 mm, 0.025 mm (standard), 0.05 mm	Max Output Current	60 mA (per channel)
*Connection Cable Length	3m (standard), 5m, 10m	Measuring Type	Optic
*Supply Voltage	5...30V DC ±20%	Materials	Housing: Aluminum/steel /ABS plastic Measuring Wire: Stainless steel (0.5 mm or 1 mm)
*Output Signals	A,B,Z (standard) A,B A,/A,B,/B A,/A,B,/B,Z,/Z	IP Protection Class	IP65
Accuracy	±0.25% FS	Operating Temperature	-25°C ... +85°C
Maximum Speed	2 m/s	Relative Humidity	%95
		Weight	≈550 gr

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

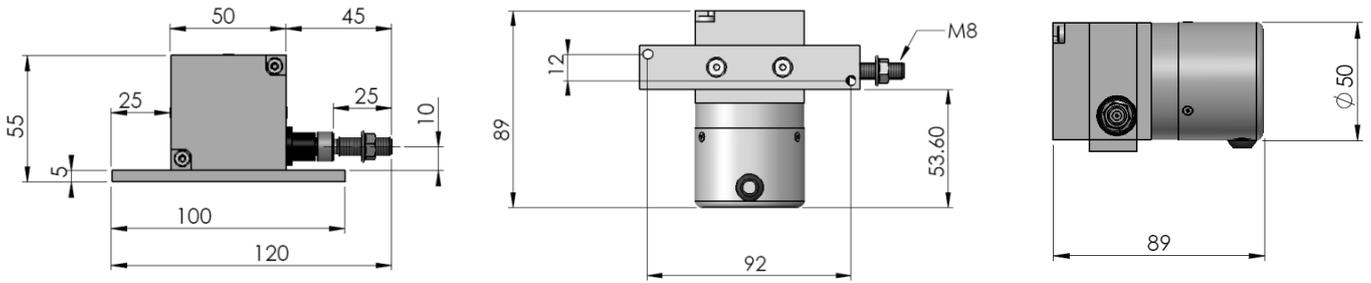
ELECTRICAL CONNECTION

In the left tablet the 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.



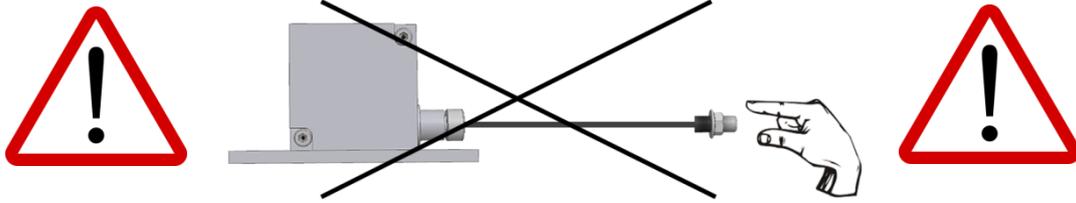
SIGNAL	CABLE COLOR
+V	Red
0V	Black
A	Yellow
/A	Blue
B	Green
/B	White
Z	Pink
/Z	Grey
EARTH	Silver

DIMENSIONS

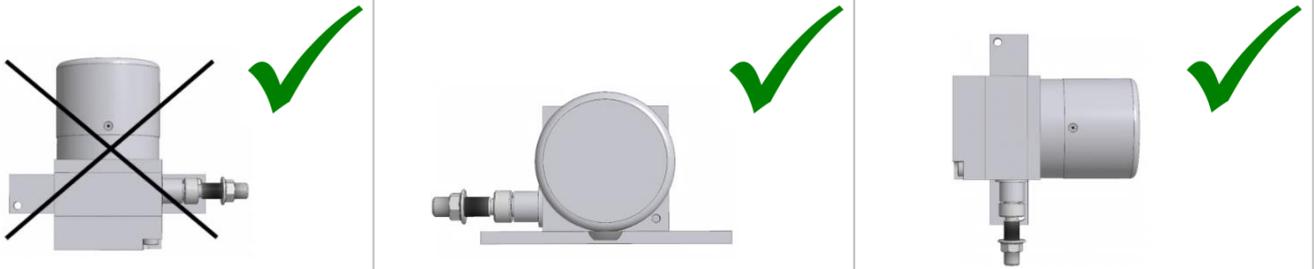


MOUNTING AND WARNINGS

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



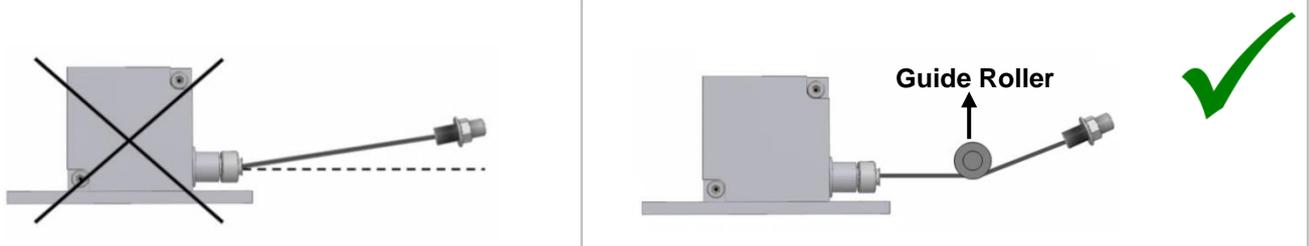
2. The wire encoder must be mounted vertically in position, not be horizontally.



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.

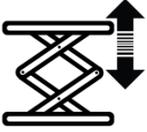


Important Note(!): Failure to comply with these recommendations, the malfunctions that may occur will not be under the warranty.

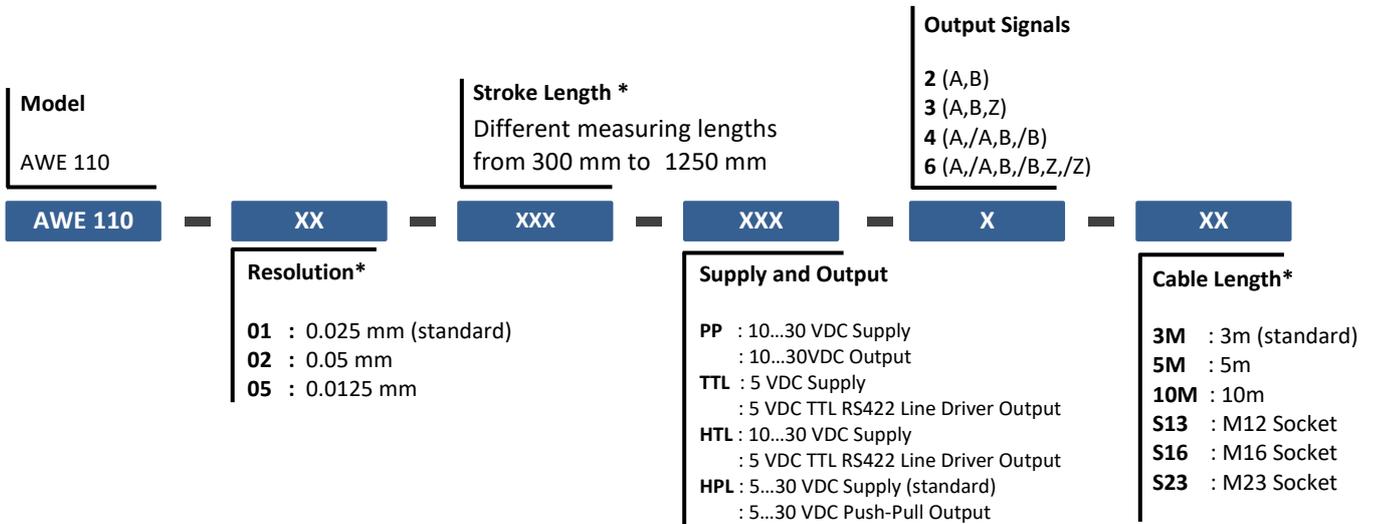
SAMPLE APPLICATION FIELDS

- 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.

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