

# DRAW WIRE ENCODER

"High strength stainless steel wire"

## AWE 310



#### **GENERAL FEATURES**

- Different stroke (measuring) lengths between 0...5000 mm and 0...10000 mm
- Incremental output
- Stainless steel measuring wire
- IP53 protection class
- Compact design
- Easy installation
- 2 m/s maximum speed
- Shock/Vibration resistant
- Aluminum anodized body



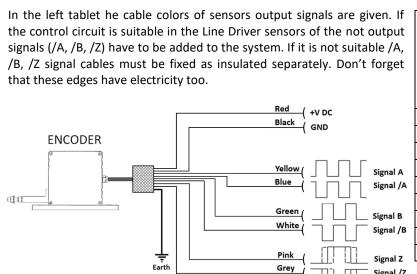
AWE 310 wire encoders convert linear motion into incremental digital pulses. Different stroke (measuring) lengths between 0...5000 mm and 0...10000 mm are available. Optionally other stroke lengths, resolutions, cable lengths and socket connectors can be requested.

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.

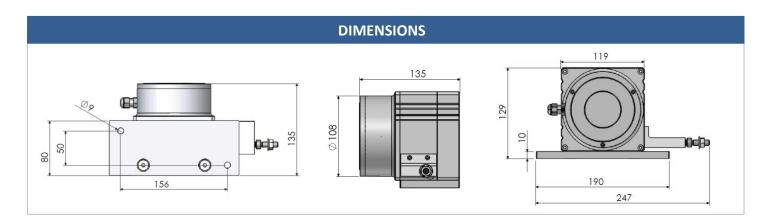
TECHNICAL SPECIFICATIONS						
*Stroke (measuring)	Different measuring lengths between 05000 mm and 010000 mm		Maximum Speed	2 m/s		
Length			Required force	12 N		
*Resolution	pulse/mm	mm/edge	Max Output Current	60 mA (per channel)		
	3 pulses/mm	0.075 mm		. ,		
*Connection Cable	3m (standard) 5m 10 m		Measuring Type	Optic		
Length			Materials	Housing: Aluminum/steel /plastic		
*Supply Voltage	530V DC ±20%			Measuring Wire: Stainless steel		
supply foldBc			IP Protection Class	IP53		
	A,B,Z (standard) A,B A,/A,B,/B A,/A,B,/B,Z,/Z		Operating Temperature	-25°C +85°C		
*Output Signals			Relative Humudity	%95		
			Weight	≈2700 gr		
Accuracy	±0.25% FS		Weight	2,008		

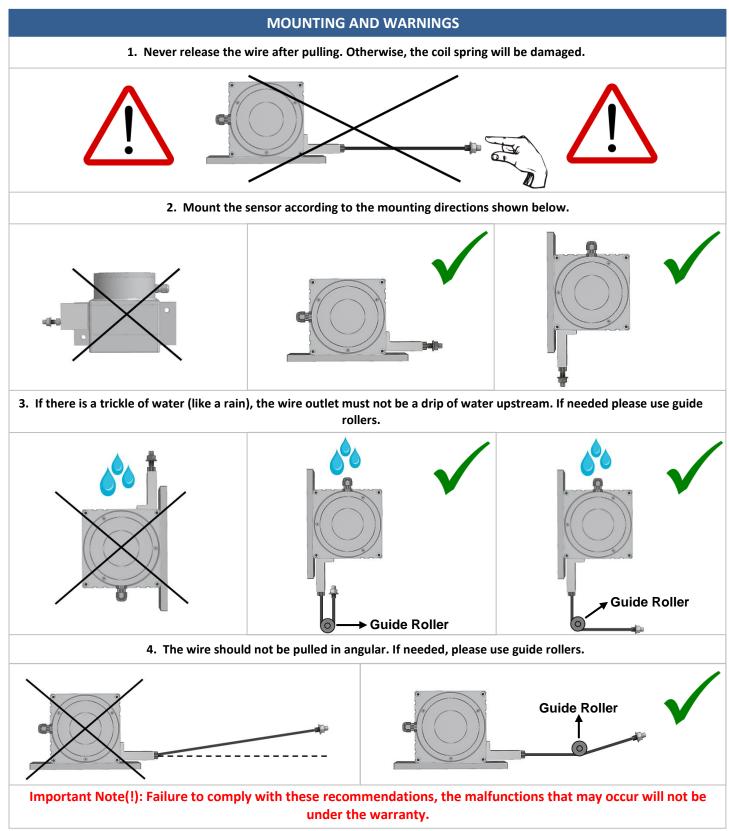
Note: The technical specifications indicated by (\*) vary according to the selected model. The detailed code table is shown on page 3.

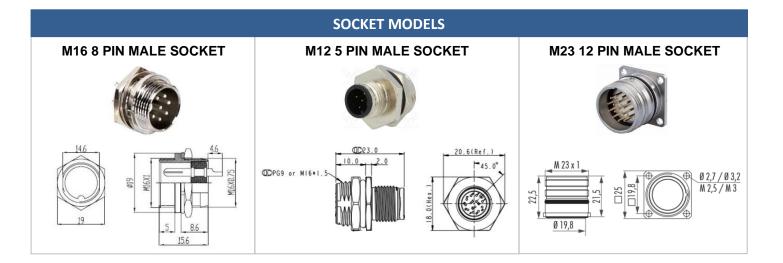
### **ELECTRICAL CONNECTION**



SIGNAL	CABLE COLOR	M12/8 pin SOCKET 20 01 03 0 70 40 5 06 PIN NO	M12/5pin SOCKET 2• 5 • 1 • • 4 PIN NO
А	Yellow	1	1
В	Green	2	2
+V	Red	3	3
0V	Black	4	4
Z	Pink	5	5
/A	Blue	6	-
/В	White	7	-
/Z	Grey	8	-
EARTH	Silver	-	-







### SAMPLE APPLICATION FIELDS

- Elevators
- Press machines
- Crane systems
- Wood processing machines
- Marble processing machines
- Storage positioning
- Dam protections
- Sluice gate control
- Air compressors

- Glass processing machines
- Lifting platforms
- Applications in medical technologies (operating table etc.)
- Forklifts
- Screw machines
- Paper machines
- Sewing machines
- Hydraulic machines



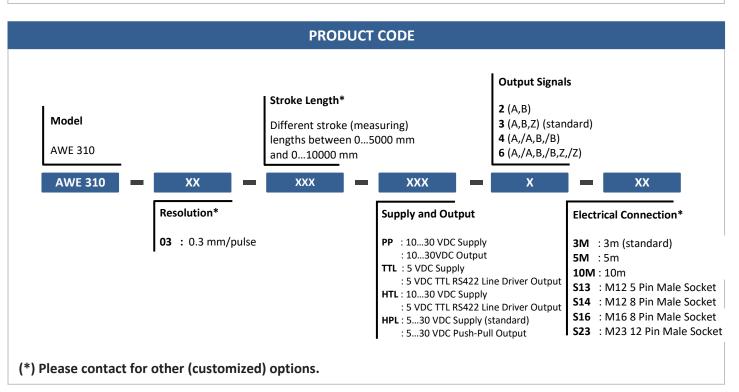




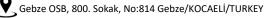
- Printing machines
- Horizontal control equipments
- Construction machines
- Industrial robots
- Injection machines
- X-Y axis displacement
- Liquid level measurements and position control







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