DRAW WIRE SENSOR

"Small size, High strength stainless steel wire"

Ω

Output



AWP 110 series draw wire sensors; consists of a rotary potentiometer which is controled by stainless steel wire. They make measurement by pulling and rewinding stainless steel wire. Different stroke lengths between 0...200 mm and 0...1250 mm are available. They converts linear motion to potentiometric output.

The "A" series, works with 24VDC supply and gives of 4-20 mA analog output with the help of the converter card.

The "V" series, works with 24VDC supply and gives of 0-10 VDC analog output with the help of the converter card. Optionally, different non-standard measuring lengths, cable length or socket model can be requested.

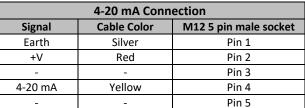
TECHNICAL SPECIFICATIONS				
	Different measuring lengths between 0200 mm and 01250 mm	Required Force	5 N	
		*Resistance	5 KΩ (standard), 10 KΩ	
*Connection Cable Length	3m (standard), 5m, 10m	Measuring Type	Potentiometric	
*Supply Voltage	'A' and 'V' models: 1230 VDC	Materials	Housing: Aluminum/steel/plastic	
	Potentiometric output model: 42V max.		Measuring Wire: Stainless steel	
*Output Signals	Potentiometric 0-10 VDC	IP Protection Class	IP53 (optional IP67)	
		Operating Temperature	-25°C +85°C	
	4-20 mA	Relative Humudity	%95	
Linearity	±0.25% FS	Weight	≈550 gr	
Maximum Speed	2 m/s		5	

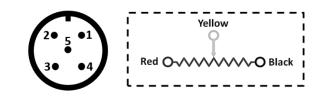
Note: The technical specifications indicated by (*) vary according to the selected model. The detailed code table is shown on page 3.

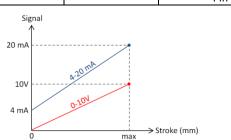
ELECTRICAL CONNECTION

Never make or undo electrical connections to the sensor when voltage is applied, otherwise this may result in damage to devices.

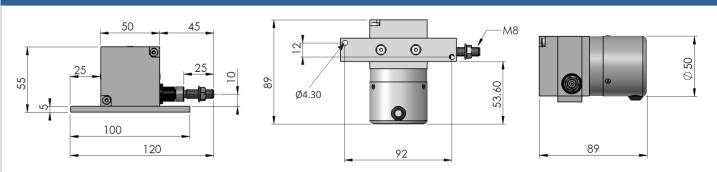
0-10V or POTENTIOMETER Connection			
Signal	Cable Color	M12 5 pin male socket	
Earth	Silver	Pin 1	
+V	Red	Pin 2	
0V	Black	Pin 3	
0-10V / Pot	Yellow	Pin 4	
-	-	Pin 5	

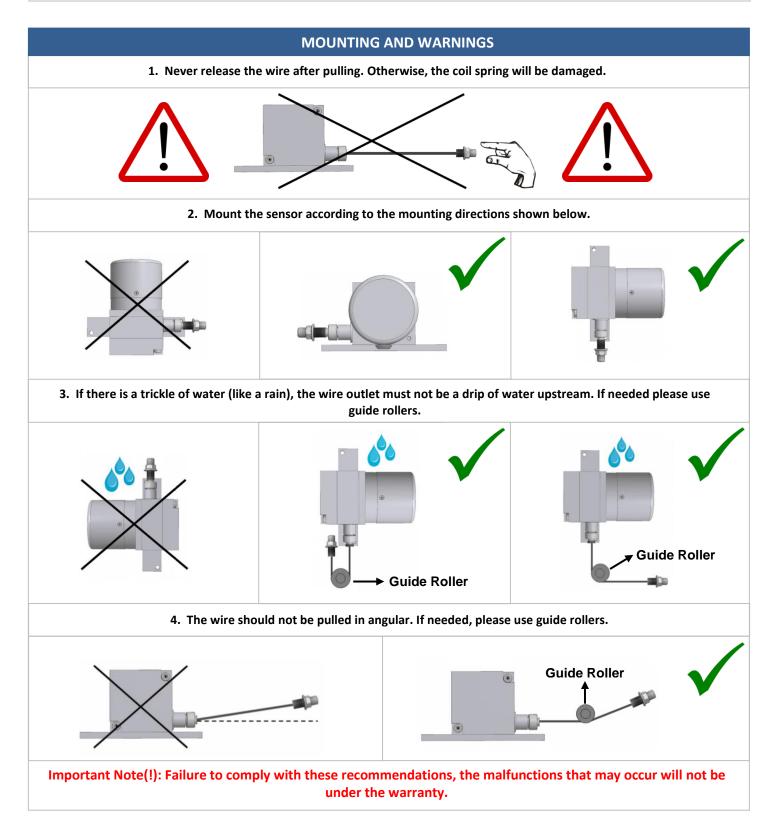






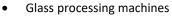
DIMENSIONS





SAMPLE APPLICATION FIELDS

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



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



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





