# DRAW WIRE SENSOR

"Potentiometric Output, High Accuracy"

**AWP116**

- 1600, 2100, 2500 mm measuring lengths
- Robust stainless steel measuring wire
- Delrin housing
- Potentiometric output
- IP40 protection class
- Compact design and easy mounting
- 2 m/s maximum movement speed
- Shock/vibration resistant

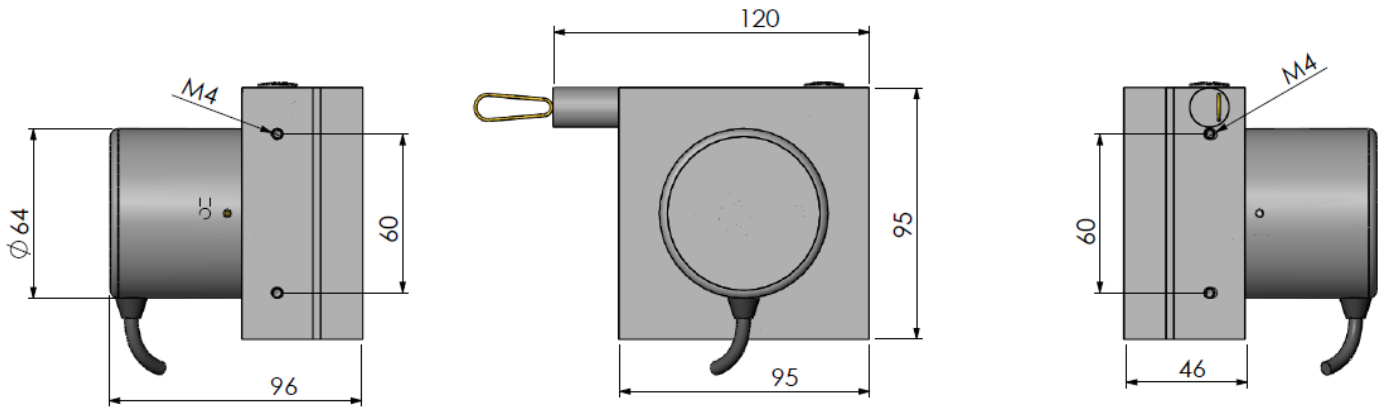
## MECHANICAL DATA

| | |
|---|---|
| **Measuring Lengths (stroke)** | 1600, 2100, 2500 mm (ask for others) |
| **Max. Movement speed** | 2 m/s |
| **Required Force** | 5 N |
| **Protection class** | IP40 |
| **Operating Temperature** | –25°C…+85°C |
| **Material** | Body: Delrin |
| | Measuring wire: Stainless steel |
| **Weight** | ~660 gr |

## ELECTRICAL DATA

| | |
|---|---|
| **Measuring principle** | Potentiometric |
| **Supply voltage** | 42V max. |
| **Signal output type** | Potentiometric |
| **Resistance** | 5 KΩ (standard), 10 KΩ |
| **Linearity** | ±%0.5 FS |

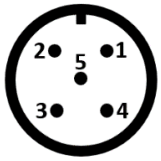
## MECHANICAL DIMENSIONS (mm)

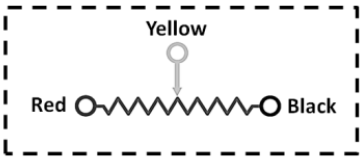


## ELECTRICAL CONNECTIONS

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

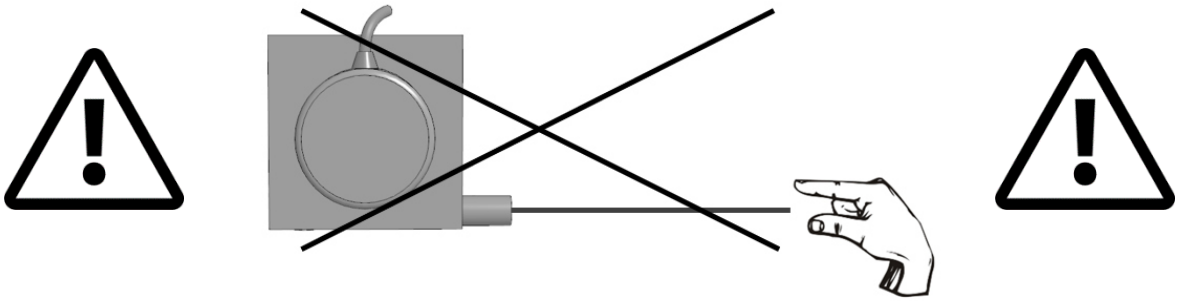
| Signal | Cable | M12/5 Pin Male Connector |
|---|---|---|
| Earth | Silver | Pin 1 |
| +V | Red | Pin 2 |
| 0V | Black | Pin 3 |
| Pot signal | Yellow | Pin 4 |
| N/C | N/C | Pin 5 |




## WARNING

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



## ORDER CODE

**Model**

**Resistance**

**5K:** 5 KΩ (standard)
**10K:** 10 KΩ

| AWP116 | - | XXXX | - | XX | - | XX |
|---|---|---|---|---|---|---|

**Measuring Length**

**1600:** 1600 mm
**2100:** 2100 mm
**2500:** 2500 mm
*Ask for other lengths

**Electrical Connection**

**3M** : 3 m cable (std)
**5M** : 5 m cable
**10M** : 10 m cable
**S13M** : M12 5 pin male socket