

Draw Wire Displacement Sensor



LW-10-A/V/R

Features

The LW series of draw wire displacement/position sensors, is combined with photoelectric and mechanical displacement sensor in Anodized Aluminum housing and compact construction which ensures reliable operation even under harsh environments. The cable and wire drum are using imported highly flexible stainless steel material which guarantees a long life cycle and high operational reliability, such as strong corrosion resistance, long fatigue life, no stretch and stable wire retraction.

With these features, the LW is a rugged, industrial grade sensor that provide long measurement range with high accuracy and high dynamic response.



Applications

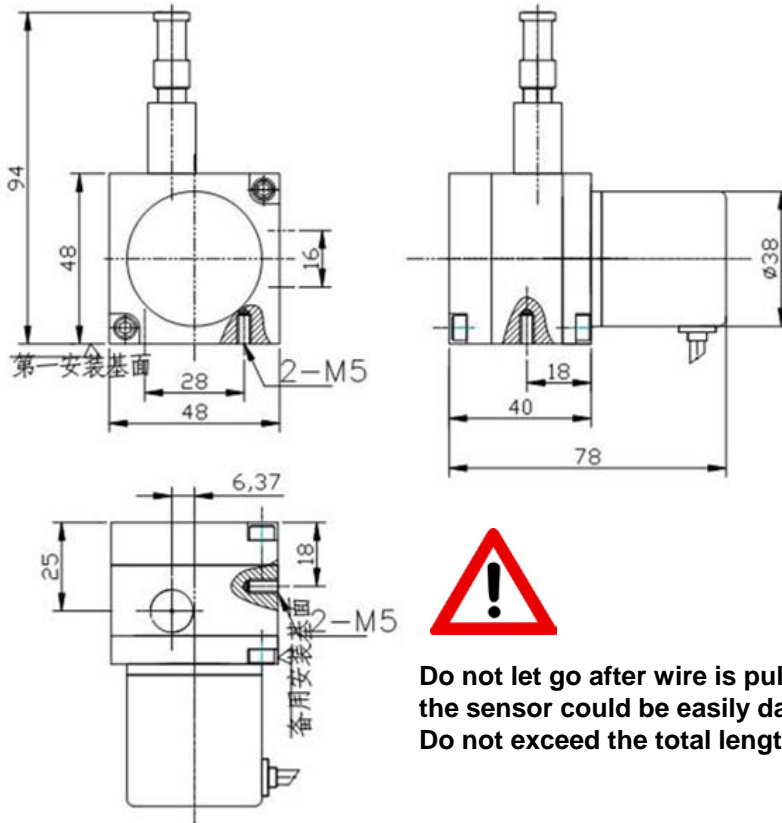
- Linear guide-railway system,
- Hydraulic air cylinder system,
- Flexible system for forklifts, press machine, lifting machine, pipe-bending machine, bending machine, etc.,
- Cranes,
- Cable winches,
- Storage position location,
- Reservoir dam protection system,
- Gate opening control system,
- Pressure machinery for testing,
- Paper machinery, Textile machinery,
- Sheet metal machinery,
- Packaging machinery,
- Printing machinery,
- Level control instrument,
- Construction machinery,
- Woodworking machinery,
- Industrial robots,
- Injection machines,
- Elevator, air compressor/hydraulic press,
- Height measurement machine,
- X-Y axis displacement and other length of displacement,
- Liquid level related to size measurement and position control.

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Dimensions



Do not let go after wire is pulled out, otherwise the sensor could be easily damaged;
Do not exceed the total length of the wire.

Technical Specification

Measurement Range	0 ~ 400 mm	Vibration Resistance	(10±1500Hz)10g
Signal Output	Model A : 4-20mA Model V: 0-5V, 0-10V Model R: 2K, 5K, 10K	Wire Extension Force	Max.700g
Resolution	infinitesimal	Wire Extension Speed	Max. 1000 mm/s
Accuracy	0.1%F.S.	Operating Temperature	-25℃ ~ +85℃
Operating Voltage	DC12V, DC24V	Storage Temperature	-35 ~ +100 ℃
Cable	0.7mm imported PA-coated stainless steel	Protection Class	IP54