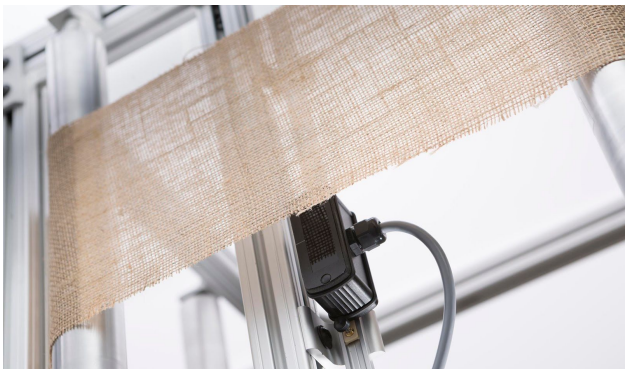
Roll-2-Roll Technologies

Web Position Sensors

Highly Accurate Sensors Can Also Be Adaptive



Eliminate calibration. These sensors learn and adapt on the fly.

ARIS Web Position Sensors can measure edge position, contrast position, position of a line on the web, web width, count and monitor threads of any material without the need for any setup or calibration. The sensing principle relies on light scattering and spatial filtering properties of fiber optics to accurately determine the web position. ARIS WPS is essentially an affordable vision based sensing system different web sensing applications.

The patented fiber optic sensing principle enables the plug-and-play sensor technology. The sensor technology adjusts automatically to the physical characteristics of the material and provides an accurate position measurement. Web Position Sensor system is an affordable vision-like sensing system which can be used for edge, line, contrast, width, diameter, marking detection, and other applications, without the hassles of traditional vision systems.

GENERAL SPECIFICATIONS

Sensor Type	Fiber optic	**Output (Voltage)**	± 10 V or 0 to 10 V
Sensor Resolution	0.0635 mm or 0.125 mm	**Output (Current)**	0 to 20 mA or 0 to 10 mA
Sensor Range	16mm, 48mm and 221 mm	**Connectivity**	Ethernet/IP, PROFINET
Light Source	Infrared, Ultraviolet or White light	**Accuracy**	>99.2%
Sensor Frequency	50 to 200 Hz	**Input Supply**	24 V DC

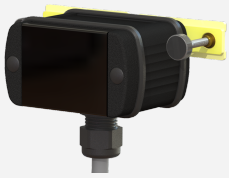
BENEFITS

- **Increase productivity** with no setup and calibration after product changeover
- **Save time** with plug-and-play operation
- **Reduce waste** with high accuracy and high precision measurement
- **Reduce downtime** with increased sensor reliability
- **Save money** with an inexpensive alternative to vision systems
- **Save money** with a single solution for multiple sensing applications instead of warehousing multiple sensors

To order (direct from factory): By phone: **+1-888-290-3215 ext 01** By e-mail: **sales@r2r.tech** Online: **https://www.r2r.tech/request-quotation**	**Your local contact is:**

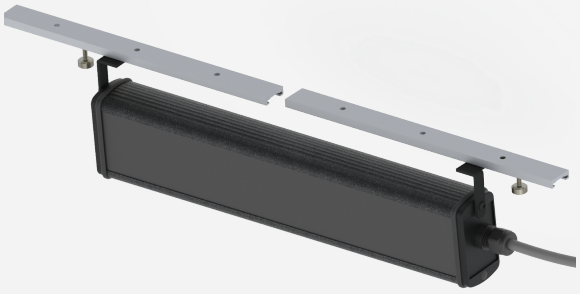
SENSOR OPTIONS

16 mm



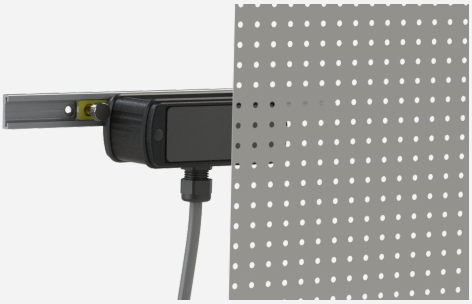
48 mm

221 mm

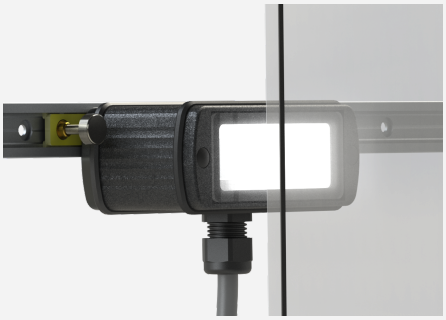


SENSING APPLICATIONS

Edge Position Sensing



Contrast/Line Position Sensing

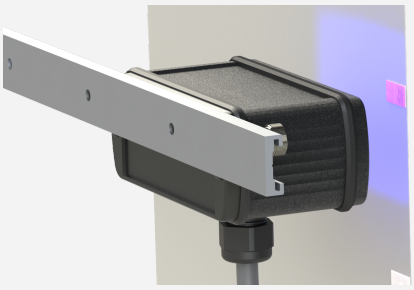


Contrast to Edge Measurement

String Counting and Measurement

Width Measurement

Mark Detection (Visible or UV)



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