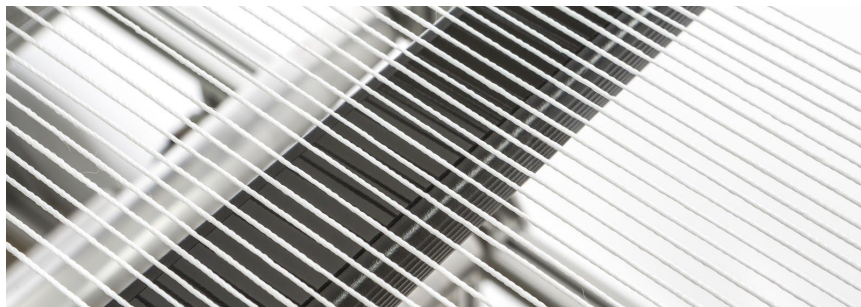


Highly Accurate Sensors Can Also Be Adaptive

Eliminate Calibration. These Sensors Learn and Adapt on the Fly



WPS 440 by Roll-2-Roll Technologies is a versatile sensor with an integrated sensor control unit, a 440 mm sensing window, and multiple functionality. The sensor technology requires no setup or calibration. The sensing principle relies on light scattering and spatial filtering properties of fiber optics to accurately determine the features on the web. The 440 mm

sensor version is suited for edge guiding applications with frequent width changes, web width measurement, center guiding, etc. The sensor is also used in simple inspection applications such as thread counting, string coverage, void detection, etc. The sensor technology adjusts automatically to the physical characteristics of the material and provides an accurate position measurement. Roll-2-Roll Sensors are essentially an affordable vision based sensing system different web sensing applications.

GENERAL SPECIFICATIONS

Sensor Type	Fiber optic	Output (Voltage)	± 10 V or 0 to 10 V
Sensor Resolution	0.125 mm	Output (Current)	0 to 20 mA or 0 to 10 mA
Sensor Range	440 mm	Connectivity	Ethernet/IP, PROFINET
Light Source	Infrared	Controller	Integrated within the sensor
Sensor Frequency	50 to 200 Hz	Input Supply	24 V DC

BENEFITS

- **Increase productivity** with no setup and calibration after product changeover
- **Integrated lighting** eliminates external lighting and need for gantry to mount external lighting
- **Fully integrated compact solution** for easy installation in tight spaces
- **Save time** with plug-and-play installation and operation
- **Save money** with much less expensive alternative to vision systems
- **Save money** with a single solution for multiple sensing applications instead of warehousing multiple sensors

To order (direct from factory):

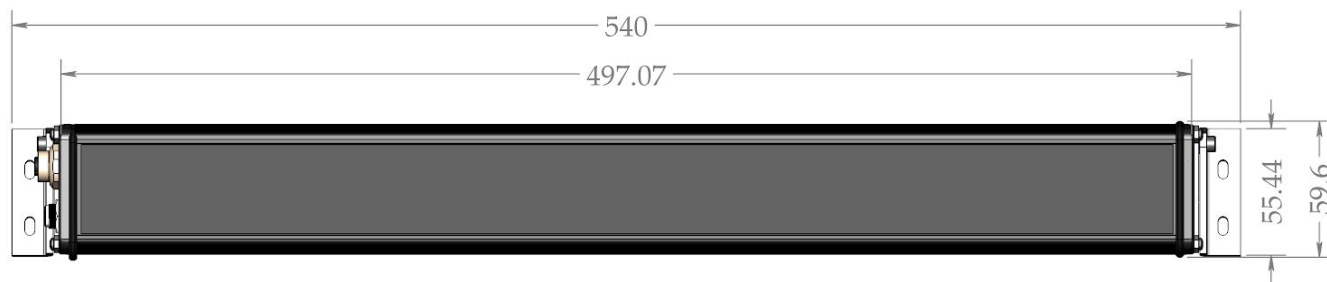
By phone: **+1-888-290-3215 ext 01**

By e-mail: **sales@r2r.tech**

Online: **<https://r2r.tech/request-quotation>**

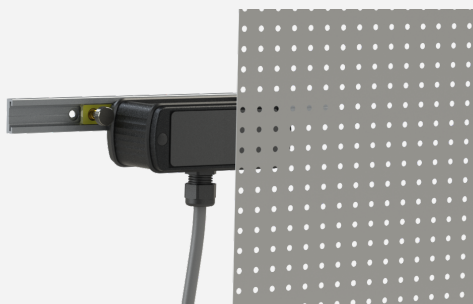
Your local contact is:

PHYSICAL DIMENSIONS in MM



SENSING APPLICATIONS

Edge Position Measurement and Monitoring



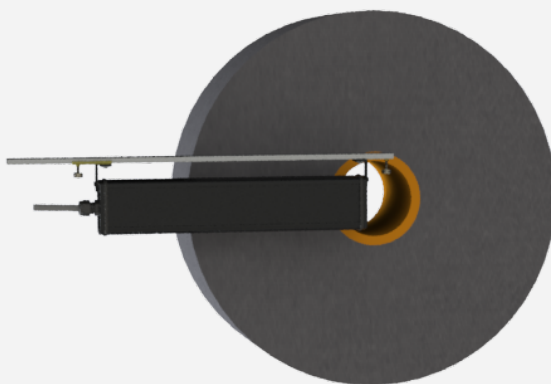
Width Measurement and Monitoring



String Counting, Monitoring and Measurement



Diameter Measurement



Roll-2-Roll Technologies LLC
1110 S Innovation Way Dr
Stillwater, OK 74074
Phone: +1-888-290-3215
Support Email: experts@r2r.tech
Sales Email: sales@r2r.tech
Website: <https://r2r.tech>