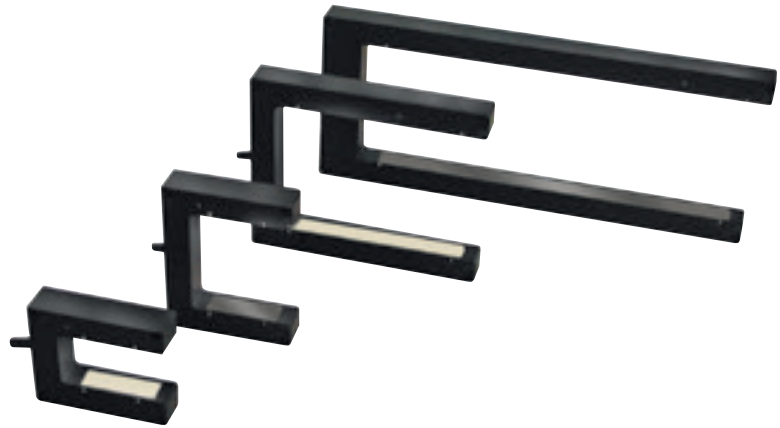


WIDE ARRAY COMPENSATED EDGE DETECTORS

AccuWeb's dynamically compensated array edge detectors offer a wide sensing range — using either ultrasonic or infrared sensing technology.

WideArray™ Edge Detectors feature large detection ranges to accommodate variations in web width. Web widths can be changed on the fly, eliminating the need to physically reposition edge detectors. Rugged and compact in size, a WideArray is easily mounted and requires only a single cable. Every WideArray features AccuWeb's patented Compensated Array Technology that automatically compensates for dust, changes in temperature and



humidity, as well as web flutter and passline variances, along with other environmental factors.

Even in the harshest environments, the WideArray edge detector gives you more consistency, accuracy and reliability.

- **Dynamically Compensated** – Our patented technology automatically adjusts for all environmental, process and web edge changes – temperature, relative humidity, barometric pressure, dirt, dust, Oxidry, nitrogen additions, web flutter, or passline variation.
- **Any Web Material** – WideArray edge detectors sense all web materials – paper, film, foil, nonwovens, mesh, metals, virtually any web – regardless of opacity level or density. Select either ultrasonic or infrared technology depending on materials.
- **Totally Automated – No Maintenance** – WideArray Edge Detectors self-calibrate automatically. No operator adjustment necessary – resulting in faster make-ready. Other than an occasional wipe down, no maintenance is required. There are no moving parts, so breakdowns and lost time are virtually eliminated.
- **Hazardous Duty Operation** – Intrinsically safe models are available to operate in Class I Division 1 Group C&D hazardous environments.

You'll always get more value from AccuWeb

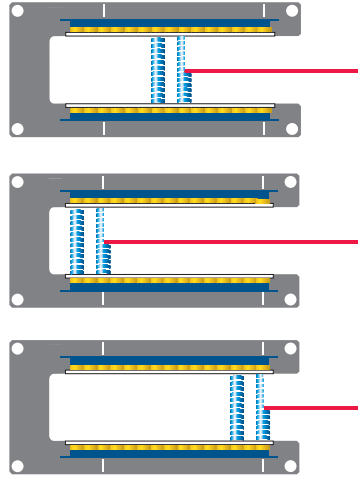
- The WideArray is ideal for any application that requires an increased detection range. Applications include edge guiding, centerline guiding, electronic oscillation to reduce gage-band build-up, positioning one web relative to another, measuring web width, and monitoring edge or centerline position.
- A remote station can be located anywhere, allowing operators to easily adjust guide points in .001 inch increments within the wide detection range. Now operators can fine-tune web position with digital accuracy and repeatability.
- The WideArray is ideally suited for chaser/slave applications typically found in laminating, thereby replacing complicated and high-maintenance mechanical positioning devices.
- Web gage position and guide point can be communicated via PLC inputs using the Micro 4000®NET Controller.

Be inspired. Move forward.

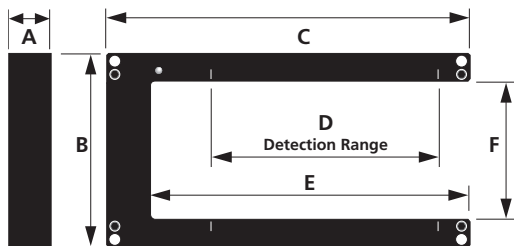
WIDE ARRAY COMPENSATED EDGE DETECTORS

The advantage of patented dynamically compensated array edge detection technology

Multiple pairs of emitters and receivers create the seamless detection area of the WideArray. Four beams are active at all times, three for locating the edge of the web, the other to monitor the environment adjacent to the web. As the web edge moves within the WideArray detection range, the compensation point moves with the web edge, constantly adjusting for changing conditions. WideArray edge detectors feature a wide range that can automatically detect webs of differing widths, speeding changeovers. WideArrays are available in both ultrasonic and infrared configurations to accurately handle any web material.



Edge Detector Dimensions



* Sample resolution test required.

Ultrasonic and Infrared Comparison

Material	Ultrasonic	Infrared
Clear film	✓	
Opaque film	✓	✓
Paper	✓	✓
Foil	✓	✓
Metal	✓	✓
Nonwoven	*	✓
Woven	*	✓
Cloth	*	✓
Mesh	*	✓

Model	Dimensions — Inches (mm)					
	A	B	C	D	E	F
1.5x3.75	1.25 (32)	3.00 (76)	4.56 (116)	1.20 (30)	3.81 (97)	1.50 (38)
1.5x5	1.25 (32)	3.00 (76)	5.75 (146)	2.40 (61)	5.00 (127)	1.50 (38)
4x3.75	1.25 (32)	5.50 (140)	4.56 (116)	1.20 (30)	3.81 (97)	4.00 (102)
4x5	1.25 (32)	5.50 (140)	5.75 (146)	2.40 (61)	5.00 (127)	4.00 (102)
4x9	1.25 (32)	5.50 (140)	10.25 (260)	6.40 (163)	9.00 (229)	4.00 (102)
4x14	1.25 (32)	5.50 (140)	15.06 (383)	11.20 (284)	13.81 (351)	4.00 (102)
4x21	1.31 (33)	5.75 (146)	22.50 (572)	18.40 (467)	21.13 (537)	4.00 (102)

Specifications

- **Temperature Range:** 30°F (0°C) – 185°F (85°C)
- **Constructions:** Anodized Aluminum or Stainless Steel (available washdown options)
- **Linearity:** 0.5% – 3.0% over entire temperature range

We will be happy to advise you!

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