



### Reliability Equals Profit

The reliability of our missing ply detection technology is unparalleled in the industry. Regardless of the application, machine or surroundings, our sensors will not quit. Our technology does not require operational intervention, adjustments, re-calibration and monitoring, unlike ultrasonics and photo electrics. Our technology is not designed as the “Quick Fix”, but is a committed investment that ensures cost effective quality assurance and control that translates into a much higher ROI and increased profitability.

### Ensure Product Superiority

For most multi web (ply) processes, conventional photocells, ultrasonics, resistive and inductive sensors face many difficulties in reliable detection. Issues such as basis weight variations all too often create either false signals, or in most cases, no signal at all.

- Coaters
- Extrusion
- Laminators
- Rotogravure
- Slitters
- UV Flexo Press
- Embossers

Many conventional approaches use two, three and even more sensors in an attempt to achieve what “ONE” MPT1478 missing ply detector provides. While false signals are bothersome, the absences of a signal is damaging and can cost tens of thousands of dollars in erratic machine performance, product quality, customer complaints, and damage to sensitive components.

## Model MPT1478

### TECHNICAL SPECIFICATIONS

<b>Defects Types Detected:</b>	Missing Plies Splices (Joints) Web Breaks Metal
<b>Material Compatibility:</b>	Papers Plastics Films Other Non-metallic Materials
<b>Web Thickness:</b>	0.25" Max. (5.08 mm Max.)
<b>Gap Width:</b>	0.25" (6.35 mm)
<b>Maximum Web Speed:</b>	No limitations
<b>Relay Alarm Outputs:</b>	
Dry Output Contact Closures:	2 (Non-inductive)
Current Capacity at 110 VAC:	0.1 Amp
Current Capacity at 220 VAC:	0.05 Amp
Alarm On Period:	1 Second
<b>Electronic Alarm Output:</b>	
Pulse Outputs:	1
Voltage:	15 V (± 3 V)
Direction:	Positive Going
Duration:	10 ms
<b>Ambient Temperature:</b>	40 to 160° F (4 to 70° C)
<b>Dimensions:</b>	6.0" X 7.5" X 4.37" (15.24 cm X 19.05 cm x 11.1 cm)
<b>Power:</b>	110/220/240 VAC 50/60 Hz Single Phase
<b>Weight:</b>	10 lbs/ 4.53 kilogram

Specifications are subject to change without notice.  
Note: If you web speed is less than 100 fpm, specialized circuitry may have to be applied. Additional fees may be applied.

### Simple, Quick and Effective

Easy to set up and operate, and harmonious with logic systems and programmable controllers, the MPT1478 missing ply detector can be easily integrated on any application that calls for the detection of missing plies, as well as splices, metal chips and web breaks. Modular in design, our missing ply detector requires no operational intervention complicated setup procedures or constant tweaking.