

SEMS, INC.

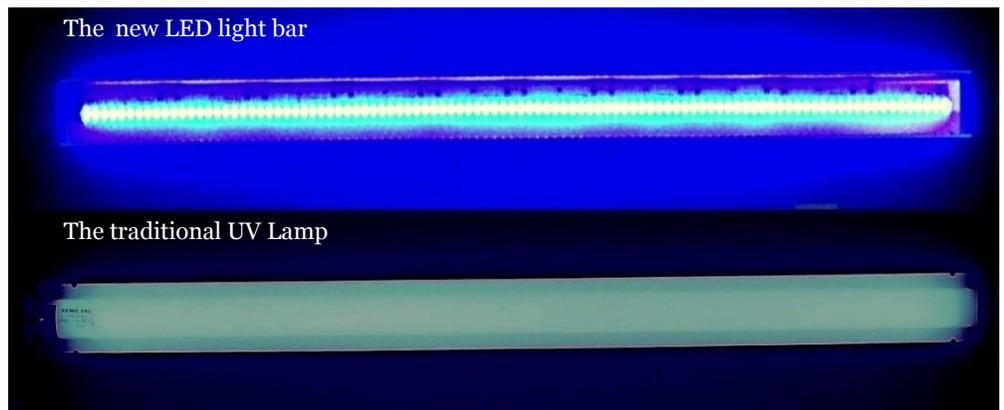
SEMS SERIES IV AUTOMATIC LED PINHOLE DETECTOR General Specifications



SEMS, INC.

**2901 Cascade Drive
Valparaiso, IN 46383
USA**

**Phone: 1-219-462-2373
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Compare the above lamps.

The LED lamp is part of our new 5400 SERIES IV Pinhole Detector. As a part of our Green Program, it consumes 50% less electrical power and stays bright longer than our traditional UV lamp.

The exciting news about the LED innovation is that you can get this high intensity light on a brand new Series IV Pinhole Detector or have your existing Pinhole Detector retrofitted with the upgraded LED Light Source.

Equipment and Model: 5400 Series IV Pinhole Detector

Application: Tinplate Mill/ Cut to length lines

Dimensions: 23" H x 11.5" w x 84" L

System Power 120V/220V+/- 10%

60Hz/50Hz, 500VA

Minimum Hole Size/
System Sensitivity: 12.5 micron (0.000492 in.) hole

Maximum Strip Width: 1250mm

Maximum Line Speed: 5000 ft/min 1500m/min

Strip Thickness: <0.5mm

Strip Width Range: 381mm to 1250mm (15 in. to 49 in.)

Shutter: Automatic Shutter Control

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Shutter Overlap:	Normally set 3.2mm (.125 in.) Minimum 1.6 mm (.0625 in.)
Shutter Speed:	5.08 m/min (200 in./min) or 7.925 m/min (312 in./min)
Vibration:	System has special vibration absorbing mounts included.
Customer Output Signals:	
Relay Contact:	DPDT 2 amp at 115VAC
Closure Delay:	10ms after pinhole detection
Closure Duration:	10-60ms
Single Pulse:	Non hole = 0.0V to -0.6V Pinhole = +9V
Output Impedance:	Approximately 100 ohms
Minimum Load Impedance:	Approximately 10K ohms
Pulse Duration:	Approximately 0.8ms
Duration of Output:	Equal to time Pinhole is in inspection zone
Customer Supplied Input Signals:	
Interlock:	Signals Line start (0), Line Stop (1)—Relay Contact
Auto-Run Signal:	1=Shutter retract to limit- Relay Contact (closed)

The customer provides a combined tension on/off and weld coming contact signal. When there is tension and the weld is not passing through the pinhole detector, the shutter will automatically go to measure position and the lamps will turn on representing the normal operation condition. When the weld is passing through the pinhole detector or when there is no tension, the shutter will retract and turn off the lamps representing the standby condition. At the same time, it is recommended that the customer should provide a manual override switch to work in parallel with the automatic retract switch so in cases where it is necessary, manual operation of the pinhole detector is possible.