

FIFE SE-38 FIRSTEDGE SENSOR

MAXCESS

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The SE-38 First*Edge Sensor is an all-digital web sensor specifically designed for materials with varying opacities. Such voids, common with spun bond and loose nonwoven materials, are often difficult to detect with typical Infrared sensors, and nearly impossible to detect with air or ultrasound.

With its unique 180° foldback prism, the SE-38 is capable of detecting the first edge of a web and then ignoring any and all subsequent variations. It has a standard sensing gap of 50.8 mm (2 inches) and a control range of 43.2 mm (1.7 inches) delivering precise, versatile control for single-edge or center guiding applications.



GENERAL SPECIFICATIONS

Part Number

SE-38 First*Edge Sensor

Sensor Resolution

1 pixel (0.063 mm / 0.0025 inch)

Light Source

880 to 990 nm infrared light

Detection Device

CMOS linear photodiode array

Update Rate

6 ms

Supply Voltage

+10 to 15 VDC

Supply Current

<80 mA (<55 mA average)

Output Signal

0 to 10 mA

Weight

856 grams (30 ounces)

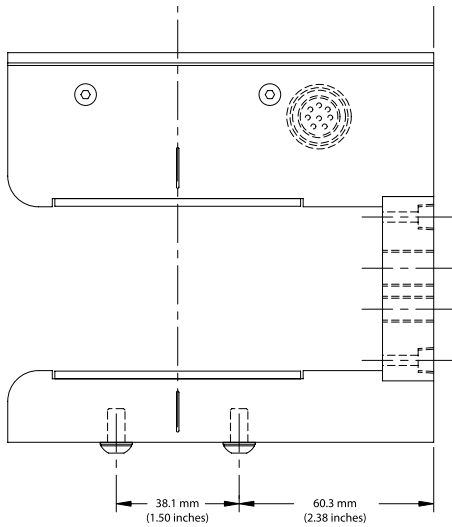
Temperature Range:

0° to 60° C (32° to 140° F)

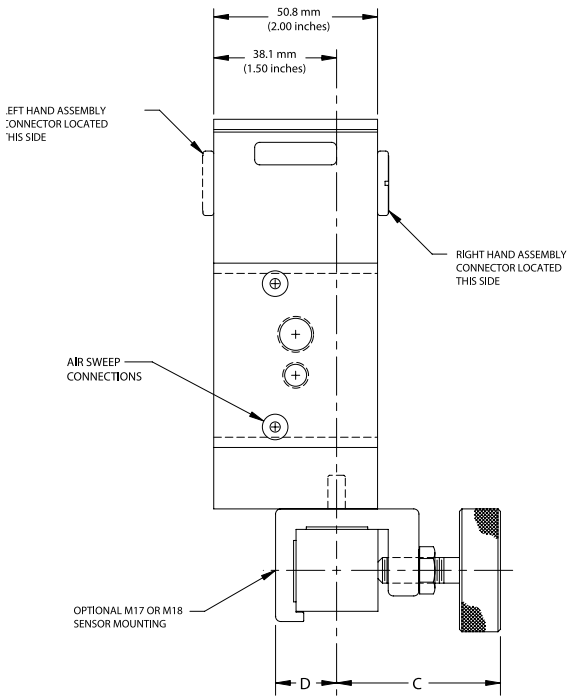
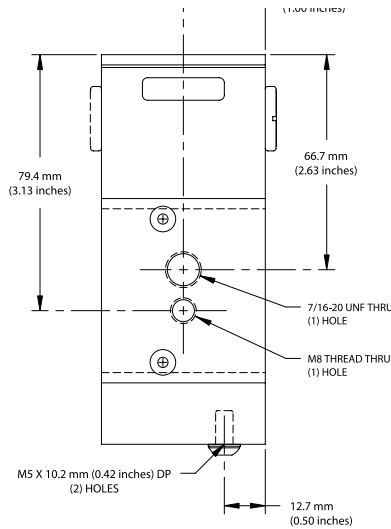
KEY FEATURES

- All-digital sensor eliminates effects of opacity variations in non-woven materials
- Unique 180° foldback prism detects materials that are nearly impossible to sense with infrared-only, air or ultrasound
- Immune to web plane changes and unaffected by ambient light, including sunlight
- Compatible with all Fife controllers
- Standard sensing gap of 50.8 mm (2.0 inches) with a control range of 43.18 mm (1.7 inches)
- Flexible mounting and positioning assemblies ensure quick and easy installation
- Electrostatic discharge protected

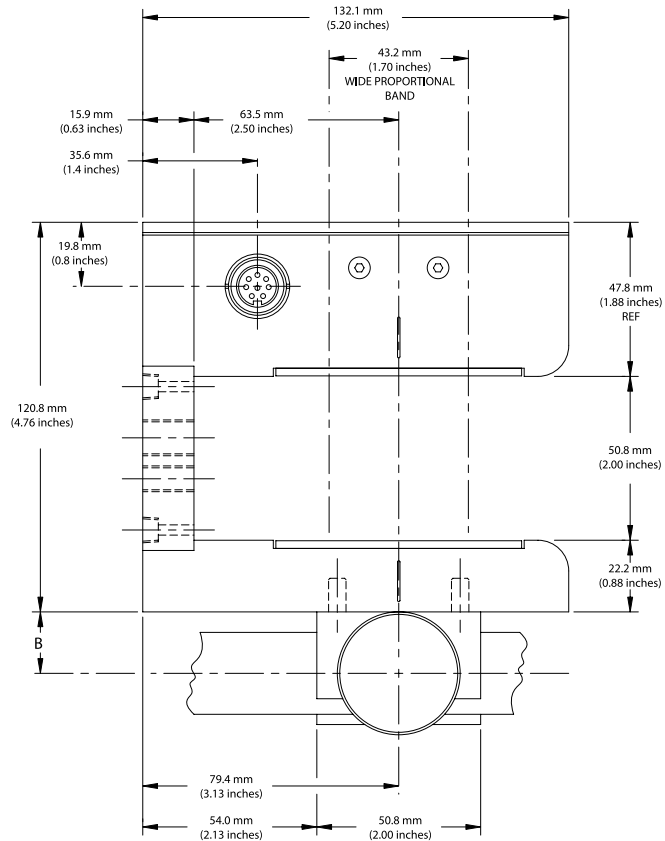
FIFE SE-38 FIRSTEDGE SENSOR



SE-38 SENSOR ASSEMBLY SHOWN WITHOUT OPTIONAL MOUNTING BRACKET



SE-38 SENSOR ASSEMBLY SHOWN WITH OPTIONAL M18 MOUNTING BRACKET



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